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Spring  
1940

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U. S. Department of Agriculture

*Everything for the  
Garden, Lawn or Farm*

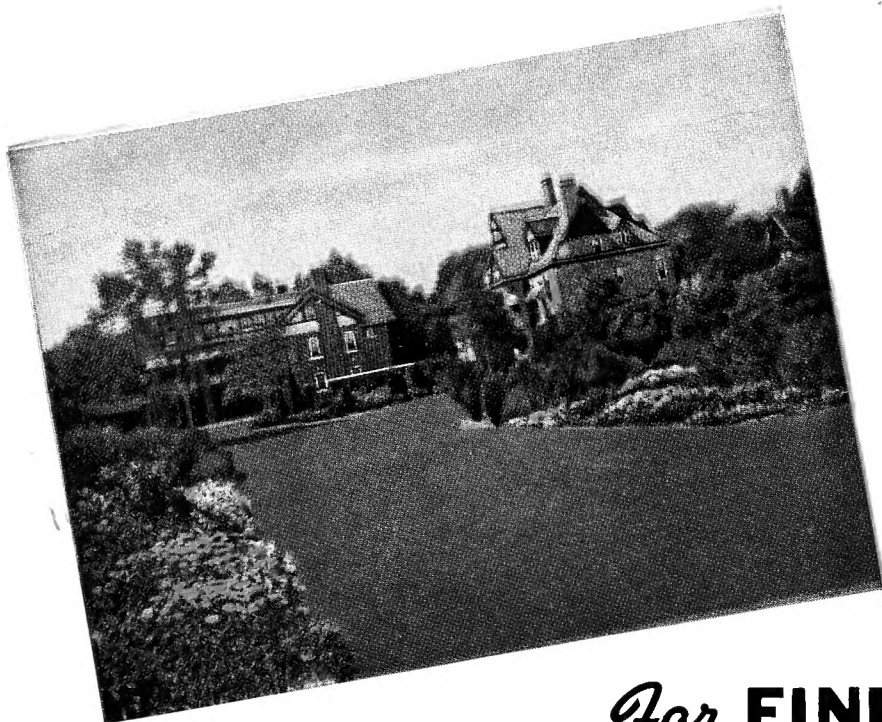


**CHAAPEL'S SEED STORE**

**39 East Third Street**

**Williamsport, Pa.**





*For* **FINER Lawns**  
**SOW**

# **CHAAPEL'S** *Higher Quality* **LAWN GRASSES**

**A Mixture For Every Soil and Shade Condition**

## **TESTED—FRESH—RELIABLE**

Cheap seed is false economy. It often spells discouraging failures and unnecessary expense. They are usually composed of annual grasses which are hard to cut and contain large quantities of impurities such as chaff and weed seed. Play safe and get the best.

### **CHAAPEL'S CLOVER LAWN GRASS SEED**

**Recleaned and Tested Seed**

**(Weighing 30 Pounds to the Bushel)**

Our mixture absolutely can be relied on as being made up of the finest quality of grass seed obtainable, free from weeds seed, chaff or fallow and of the very best and highest germinating qualities. It is a special mixture of grasses that do best in our soils. The increasing demand for a lawn seed

having a larger proportion of White Clover induced us to offer this mixture which contains a most liberal quantity of best recleaned White Clover. While primarily made up for normal locations, it contains certain grasses that will thrive on partially shady places. Sow 1 quart to 200 square feet (10 x 20 ft.). Pt. 25c., qt. 40c. (postpaid 50c.), 2 qts. 75c., 4 qts. \$1.40, pk. \$2.25, bus. (30 lbs.) \$8.00. Postage extra.

### **CHAAPEL'S SHADYGREEN LAWN SEED**

While it is impossible to maintain a permanent lawn in certain shady locations, such as under soft maple trees, we have combined in this mixture certain grasses that are more resistant to these harsh conditions. We recommend this mixture to be especially prepared for shady locations. Sow 1 quart to 100 square feet (10 x 10 ft.). Qt. 55c., 2 qts. \$1.00, 4 qts. \$1.90, pk. \$3.50, bus. \$12.00.

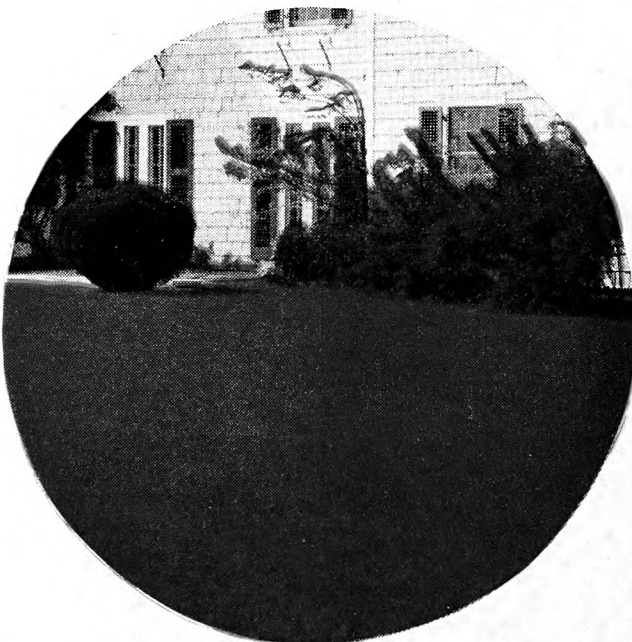
## **Rootone**

**"Hormonized Grass Seed"**

### **THE SCIENTIFIC METHOD FOR LUXURIOUS LAWNS!**

Hormonized Grass Seed has taken the mystery out of fine lawn making. To get the lawn that you have always wanted, be sure that the soil has good drainage. If it is a heavy clay, loosen it with an application of some form of humus.

Rootone treated Lawn Seed germinates faster, develops deeper, stronger root growth: The larger root system taps lower water and food levels in the ground, thereby



bringing more food and moisture to the grass plants.

Quicker germination, faster growing and stronger root growth produces a thicker, heavier turf, which is more drought resistant. The denser growth of the grass discourages the growth of weeds, giving you a cleaner, nicer lawn.

Lb. 65c., 5 lbs. \$3.00, 100 lbs. \$50.00

### **SPECIAL FORMULAS LAWN SEED**

Agricultural extension departments, landscape gardeners and athletic directors sometimes prescribe special lawn grasses for difficult locations and sport fields. We are in position and invite inquiries on Special Grass Mixtures.



# FANCY RECLEANED FIELD AND GRASS SEED

Prices Subject to Market Fluctuations.

Special Prices on Large Quantities.

## IMPORTANT

Our years of experience and extensive reference department has grown to such an extent that we are in a reliable position to solve your growing spraying, and mechanical difficulties.

If there is anything you specially want that we have not mentioned in our manual, write us for information and prices which will promptly be given.

**All varieties, 25 lbs. or over at the 100 lbs. rate.**

## BENT GRASSES

**Red Top Grass Seed, Hulled.** Fancy seed thrashed out of hull. Sow 10 to 15 lbs. to an acre. Lb. 35c., 10-lb. lots, 27½¢ per lb., 100 lbs. \$22.50.

**Seaside Bent** (*Agrostis maritima*). True Coos County strain. Our seed is delivered sealed and certified as to origin and purity of strain by the Department of Agriculture of the State of Oregon. Lb. \$1.00, 10-lb. lots, 85c. per lb.

## BLUE GRASSES

**Kentucky Blue Grass** (*Poa pratensis*). One of the most widely used of all grasses for lawns, pastures and fairways. Does best on fertile soils. Extra fine quality. Lb. 40c., 10 lbs. \$3.25, 100 lbs. \$30.00.

**Rough Stalked Meadow** (*Poa trivialis*). A fine leaved grass of sod forming habit. An important variety for shady situations. Requires a moderate amount of moisture. Lb. 60c., 10 lbs. \$5.00.

## FESCUE VARIETIES

**Chewings New Zealand Fescue** (*Festuca rubra Fallax*). A splendid grass of creeping habit, which forms a good sward where no other grass would succeed. One of the best for shady lawns. Lb. 85c., 10 lbs. \$7.50.

**Fescue, Meadow** (English Blue Grass). Easy to grow; resembles Kentucky Blue Grass; good for lawn and meadow. Lb. 25c., 10-lb. lot, \$2.25 per lb.

**Sheep's Fescue** (*Festuca ovina*). A wiry, stiff blue-green grass, good on poor soil, and rough on a golf course. Lb. 75c., in 10-lb. lots, \$7.00 per lb.

**White Dutch Clover.** This is the best Clover for lawns, as it forms a close herbage and remains green throughout the season. It is also a very valuable mixture with grass seed for pasture. ¼ lb. 25c., ½ lb. 45c., 1b. 85c. 10 lbs. \$7.50.

## NOTICE

Our aim is to sell the best seeds obtainable. We give no warranty, express or implied, as to description, quality, productiveness, or any other matter or any seeds, bulbs, or plants we sell and we will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned and money refunded.

## CLOVERS

Prices Subject to Market Fluctuations on 15 lbs. and up on All Grasses

**Alsike Clover.** Sow 6 to 8 lbs. to an acre. Resembles in growth, duration, etc., the Medium Red Clover, except its flower is white and growth much finer; thrives better than Red Clover on poorer soil and will not winter out as much as the other kind of Clover. Lb. 35c., 10-lb. lots, \$3.00.

**Alfalfa** (Grimm). Has strong spreading roots, well submerged, which prevents it from Winter killing. The seed we offer is Northern grown and very hardy. Lb. 40c., 10-lb. lots, 35c. per lb.

**Alfalfa, Northwestern.** Sow 15 to 20 lbs. to an acre. It requires a deep, rich, dry soil and in such will produce several crops every season. One of the best green fodder plants. Lb. 35c., 10-lb. lots, \$3.00. (60 lbs. to a bu.)

**Crimson Clover.** Sow 10 to 15 lbs. to an acre. A most valuable sort for soiling. It grows from 2 to 3 ft. high. Sow in July and August for cover crop or mowing the ensuing Spring. Lb. 25c., 10-lb. lots \$2.00. (60 lbs. to a bu.)

**Medium Red Clover.** (American Grown.) Sow 8 to 12 lbs. to an acre. It is a perennial but of very few years duration. Is considered the most nutritious of all the species and most valuable for cattle feeding and soil improver. Lb. 30c., 10-lb. lots, 27½¢ per lb., bu. \$15.00, (60 lbs. to a bu.)

**Medium Red Clover** (Imported and stained.) Hardy, North European grown, suitable for our climate. Lb. 25c., bu. (60 lbs.) \$12.00.

**Mammoth Red Clover.** Domestic Grown. Pea Vine or Sapling Clover. Genuine Mammoth. A large rank-growing clover, ripening at the same time as Timothy, producing an enormous yield. Lb. 35c., bu. (60 lbs.) \$15.50.

**Sweet Clover** (*Melilotus alba*). Sow 15 to 20 lbs. to an acre of hulled seed. Very valuable for soiling, very excellent for sowing in early Spring on land to be sown later to alfalfa. Grows from 3 to 5 ft. and can be cut two or three times if wanted for forage. Lb. 20c., 10-lb. lots, \$1.50, bu. (60 lbs.) \$8.00.

**Sweet Clover-Yellow Blossom.** Does not grow so heavy and coarse as White Blossom and has a yellow blossom. Superior for pasture. Lb. 20c., bu. (60 lbs.) \$8.00.

## NOD-O-GEN INOCULATE

Your legume seeds, such as alfalfa, sweet clover, red clover, alsike, soy beans, peas, field and garden beans, vetches, etc.

For small seeds, such as alfalfa, sweet clover, red clover, mammoth clover, alsike, etc., ½ bu. size 30c., bu. size 50c., 2½ bu. size \$1.50.

For large seeds, such as soy beans, cow peas, vetch, field peas, field beans, etc., bu. size 30c., 2-bu. size 50c., 5-bu. size \$1.00.

Being experts in Grass Mixtures for all purposes, we will be glad to work out grass mixtures suited for your particular purpose, from the finest lawn mixture to general pasture mixtures.

## MISCELLANEOUS SEEDS

**Millet, German or Golden.** Sow 50 to 60 lbs. to an acre. Medium early. In height, 3 to 4 ft., heads closely condensed. Lb. 10c., 10-lb. lots, 75c. (50 lbs. to a bushel.)

**Orchard Grass** (*Dactylis glomerata*). Sow 20 to 25 lbs. to an acre. One of the most desirable of all pasture grasses. Especially valuable for grazing stock. Lb. 25c., 10-lb. lots, \$2.00.

**Sudan Grass.** Rapid growing green fodder, and makes good hay. Lb. 10c., 10-lb. lot, 75c. (35 lbs to a bu.) 100 lbs. \$6.50.

**Timothy Grass** (*Phleum pratense*). Sow 10 to 15 lbs. to an acre. It will produce a larger crop than any other fine blade grass for hay. Lb. 15c., 10-lb. lots \$1.25. bu. (45 lbs.) \$4.50.

**Winter Vetch.** For forage and fertilizing purposes. Lb. 20c., bu. (60 lbs.) \$9.50.

**Peas, Canadian Field.** Usually sown with oats. Used both as a green feed and fertilizer. Bu. (60 lbs.) \$3.50. per 100 lbs. \$5.50.

## RYE GRASSES

**Domestic Rye Grass** (*Lolium Species*). A natural mixture of English and Italian Rye Grass. Lb. 15c., 10 lbs. 90c.

**English Rye Grass** (*Lolium perenne*). A very rapid growing variety for pastures and lawns. Lb. 25c., 10 lbs. \$2.00.

## PASTURE GRASS MIXTURE

(Also for Hay)

### SOW 25 TO 30 LBS. TO AN ACRE

This is the most profitable crop that a farmer can put in his soil. Seeding should be done in July and August. You seldom miss a catch. The following season it will cut two to three tons on an average to an acre. Lb. 30c., 10-lb. lots \$2.75, 100-lb. lots, 25c. per lb.

**Soy Beans** (The Great Soil Improver). Soy Beans can be grown in all parts of the country where dent corn succeeds. We carry Manchu and Black Wilson varieties. Bu. \$2.50.

**Alpha Barley 2 Row.** Ripens with oats. Bu. (48 lbs.) \$2.00.

**Barley 6 Row.** Early variety. Sow 2½ bu. per acre. Bu. (48 lbs.) \$1.50.

**Dwarf Essex Rape.** A forage plant of great merit. Valuable feed for cattle, sheep and hogs. Lb. 15c., 100 lbs. \$10.00.

## THE CYCLONE SEED SOWER

Practical and all-around, first-class grain and grass seeder. \$2.75, postpaid \$2.85.

**Dry Measure.** 2 pints, 1 quart; 8 quarts, 1 peck; 4 pecks, 1 bushel; 36 bushels, 1 chaldron.

**Liquid Measure.** 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon; 31½ gallons, 1 barrel; 2 barrels, 1 hogshead.

**Measurements of an Acre.** 20 yards wide by 242 yards long; 40 yards wide by 121 yards long; 70 yards wide by 69½ yards long; 60 feet wide by 726 feet long; 110 feet wide by 396 feet long; 120 feet wide by 363 feet long; 220 feet wide by 198 feet long; 240 feet wide by 181½ feet long, and 440 feet wide by 99 feet long contains one acre.



The Home of Chaapel's Seed Store  
39 East Third Street

# Annual Spring Catalog For 1940

It is our desire to be helpful to the gardeners, farmers, horticulturists and home owners in this territory. To conduct a store where the needs of the Agriculturist can be purchased at reasonable prices.

Space in this catalogue does not permit us listing all the items we carry in stock which includes tools for the gardener and farmer, fertilizers, insecticides, sprayers, dairy and bee-keepers supplies, pets and pet supplies, John Deere and Oliver Farm Machinery and parts for most makes of farm machinery. Write us for prices on any agricultural items you may need.

**NON-WARRANTY.** *Chaapel's Seed Store gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants they sell and will not be responsible for the crop. If the customer does not accept the goods on these terms, they are at once to be returned and the amount paid for them will be refunded.*

1877—1940 63 YEARS

## CHAAPEL'S SEED STORE

39 East 3rd Street

WILLIAMSPORT, PA.

P. A. McGowan

Helen Chaapel McGowan

### HYBRID SWEET CORN—Wilt Resistant Hybrids

One of the most successful and interesting plant breeding achievements of recent years is the production of hybrid sweet corns that actually yield 25 per cent to over 100 per cent more than the old favorites, and that are amazingly uniform and of wonderful quality.

**Golden Cross Bantam.** Shows great ability to withstand wilt and adverse weather conditions. Has large, uniform golden ears, and matures in about 95 days. Pkt. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 40c.

**Improved Bancross.** Average time to maturity 90 days. Ears 12-14 rowed, and 8-9 in. long. Stalks 6 to 7 ft. tall. Resistant to bacterial wilt. Pkt. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 40c.

**Marcross 39.** Good heavy ears, 12-14 rowed, 7-9 in. long. Matures in 79 days. Wilt-resistant. Pkt. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 40c.

**Sencross.** Large ears, 7-10 in. long, and 12-16 rowed. Average time to maturity 84 days. Resistant to bacterial wilt. Heavy cropper. Pkt. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 40c.

**Top Cross Spanish Gold.** Four days earlier than Golden Bantam and generally twice as productive, the attractive 8-in. 12-rowed ears command a premium on the market. Produces heavy crops in areas where Golden Bantam succumbs to bacterial wilt (Stewart's Disease). Compares favorably with the Evergreens in canning cost. Pkt. 10c.,  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 25c., lb. 40c.

**Early Bancross.** This topcrossed Bantam is produced from an especially selected, large eared strain of 8-rowed Golden Bantam. It produces 8-14 rowed, cylindrical ears of good quality and color, and matures 3-4 days earlier than other available stocks of topcrossed Bantam. It carries a high resistance to bacterial wilt. Pkt. 10c.,  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 25c., lb. 40c., 5 lbs. \$1.75.

### HYBRID FIELD CORN

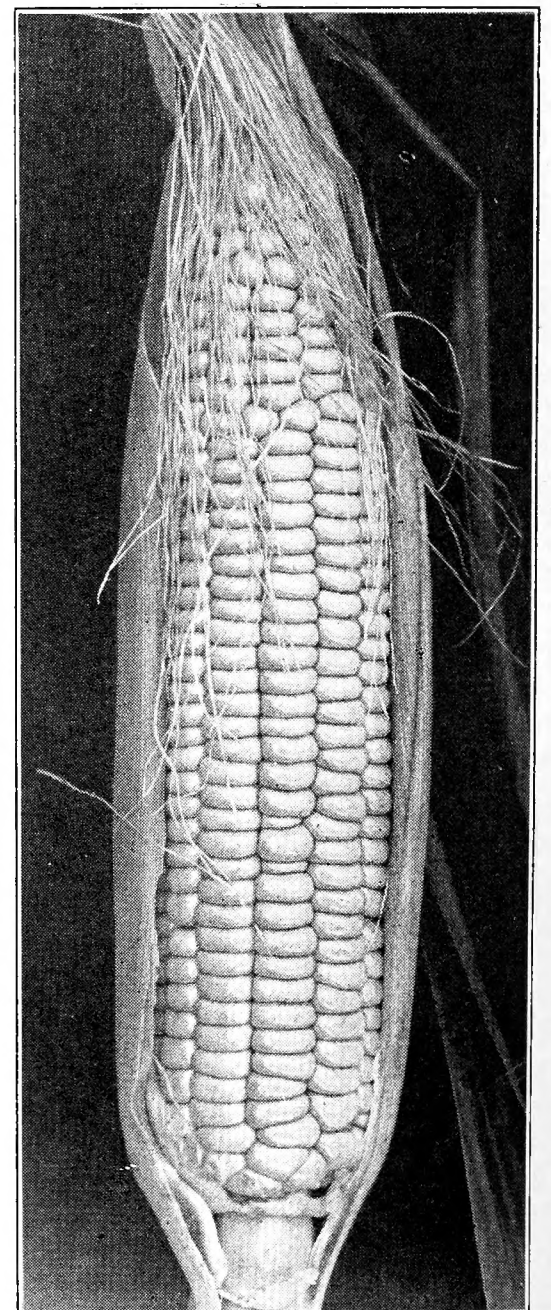
Blight, drought and wilt resistant. It is reported that 75 per cent of the corn grown in the Great American Corn Belt is of hybrid varieties. Much work has been done by the scientists on corn in the corn belt. Here in the East we have watched and awaited developments, trying out the various varieties on a conservative scale. We are now happy to report that some of these hybrid varieties do exceedingly well in Lycoming County.

**K 23 Hybrid Field Corn.** The past season the K 23 was tried out in numerous locations in Lycoming County showing excellent results. K 23 is a corn of nice height, leafy and with deep and spreading roots. At harvest time it was not lodged. This corn produced a yield of over 15 per cent over high grade open pollinated White Cap Yellow Dent. Like most hybrids, K 23 fills out to the tip of the ear, the kernels are deep, 16 to 18 rows, the cob small. An ideal husking corn for Lycoming County. Bu. \$7.50.

### HOW TO ORDER SEEDS BY PARCEL POST

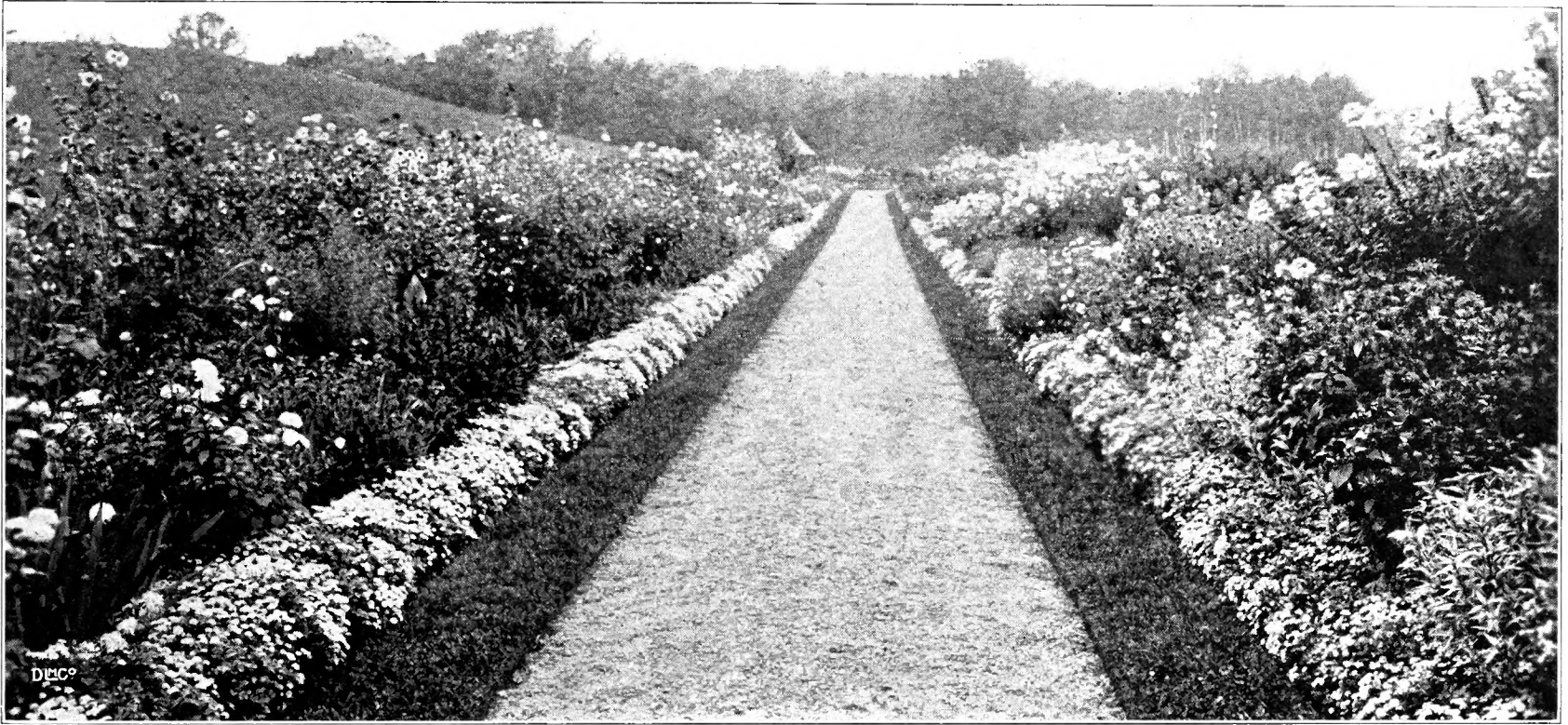
Within the First and Second Zones from Williamsport, add to your remittance for postage as follows: 1-pound orders, 8 cents; for each additional pound, 1 cent. For rates to other zones, inquire of your postmaster. The necessary postage must be sent with the order.

**CASH WITH ORDER.** Customers will please remit when ordering.



Sweet Corn, Golden Cross Bantam





## RELIABLE FLOWER SEEDS

Our list of Flower Seeds has again been carefully revised and comprises only the choicest and most selected types in their respective classes, which we are certain will give satisfaction. All Flower Seeds Postpaid.

### BRIEF CULTURAL DIRECTIONS

**Hardy Annuals**—H.A.—Seeds sown outdoors, bloom the first year.  
**Half Hardy Annuals**—H.H.A.—Those that are sown under glass in the early Spring and transplanted outdoors in April and May.  
**Hardy Biennials**—H.B.—Seeds sown outdoors and bloom the next year, some bloom the first year if sown early.  
**Half Hardy Biennials**—H.H.B.—Seed sown one year under glass and planted outdoors the following Spring.

**Hardy Perennials**—H.P.—Seeds sown outdoors one year bloom the next and each succeeding year without protection.

**Half Hardy Perennials**—H.H.P.—These bloom from seed the second year, but need Winter protection thereafter.

**Greenhouse Plants**—G.P.—Tender plants for growing under glass.

### ASTERS. H.H.A.

The most noted advance in Aster growing is the development of a new Wilt Resistant Strain, assuring amateur growers as well as florists beautiful blooms. The Asters listed below, with few exceptions, are bred for resistance to the Fusarium Wilt and are absolutely immune to it.

#### AMERICAN BEAUTY Wilt-resistant Aster

This beautiful variety is beyond doubt one of the grandest sorts in cultivation. It is of the Late Branching type, growing from 2 to 2½ feet high. The flowers are large and full with incurved petals.

Pkt. ⅛ oz.

<b>Lavender Beauty.</b> Lavender...	\$0.15	\$0.75
<b>September Beauty.</b> Flesh pink.	.15	.75
<b>Purple Beauty.</b> Violet-purple...	.15	.75
<b>Crimson Beauty.</b> Crimson.....	.15	.75
<b>White Beauty.</b> Pure white.....	.15	.75
<b>Finest Mixed</b> .....	.10	.50

#### GIANT CREGO Wilt-resistant Aster

These are the finest Asters for cut flowers, growing 2 feet high, well branched, of sturdy growth.

Pkt. ⅛ oz.

<b>White</b> .....	\$0.15	\$0.50
<b>Light Pink</b> .....	.15	.50
<b>Azure Blue</b> .....	.15	.50
<b>Crimson</b> .....	.15	.50
<b>Purple</b> .....	.15	.50
<b>Finest Mixed</b> .....	.10	.40

### Asters—Continued

#### EARLY GIANT (New)

Wilt-resistant. Giant flowers with curled and interlaced petals. Base branching. Height 2 feet.

**Light Blue.** Pkt. 15c., ⅛ oz. 75c.

#### SUPER GIANTS

The largest and most fully double Aster known. Plants grow 2½ feet tall.

**El Monte.** Crimson. Pkt. 15c., ⅛ oz. 40c.

**Los Angeles.** Shell pink. Pkt. 15c., ⅛ oz. 40c.

#### IMPROVED GIANTS OF CALIFORNIA 30 Inches

Late, midseason. Large flowers with petals curled and interlaced. Ideal for show and cutting.

**Mixed Colors.** Pkt. 15c., 1/16 oz. 20c.

#### CALIFORNIA SUNSHINE

Midseason blooming. Flowers measure 4 to 5 inches across and have a single row of loosely placed outer petals with a quilled center.

**Mixed Colors.** Pkt. 10c., 1/16 oz. 20c.

#### AMERICAN BRANCHING

An Aster selected for its large double Chrysanthemum-like blooms borne on long stiff stems. Plants grow from 2½ to 3 feet high.

**Mixed Colors.** Pkt. 10c., ⅛ oz. 30c.

#### HEART OF FRANCE

Rich Ruby Red, large. Pkt. 15c., 1/16 oz. 25c.

### AFRICAN GOLDEN DAISY

An extremely showy annual Daisy from South Africa. The bushy plant grows 12 inches high, and the flowers are 2½ inches across, a rich glossy orange-yellow, with dark disc and halo. Blooms continuously.

Pkt. 10c., ⅛ oz. 20c.

### AGERATUM. H.H.A.

Blooms throughout the entire Summer and Fall. 1 foot.

**Blue Cap** ((Re-selected)). Dwarf, rich deep blue. Pkt. 10c., ⅛ oz. 40c.

**Blue Perfection.** Finest blue bedding variety. Pkt. 10c., ¼ oz. 30c.

**Fairy Pink** (New). A dwarf, soft salmon-pink color. Pkt. 15c., 1/16 oz. 75c.

**Midget Blue** (New). Azure-blue, 3-4 in. Pkt. 25c., 1/16 oz. 75c.

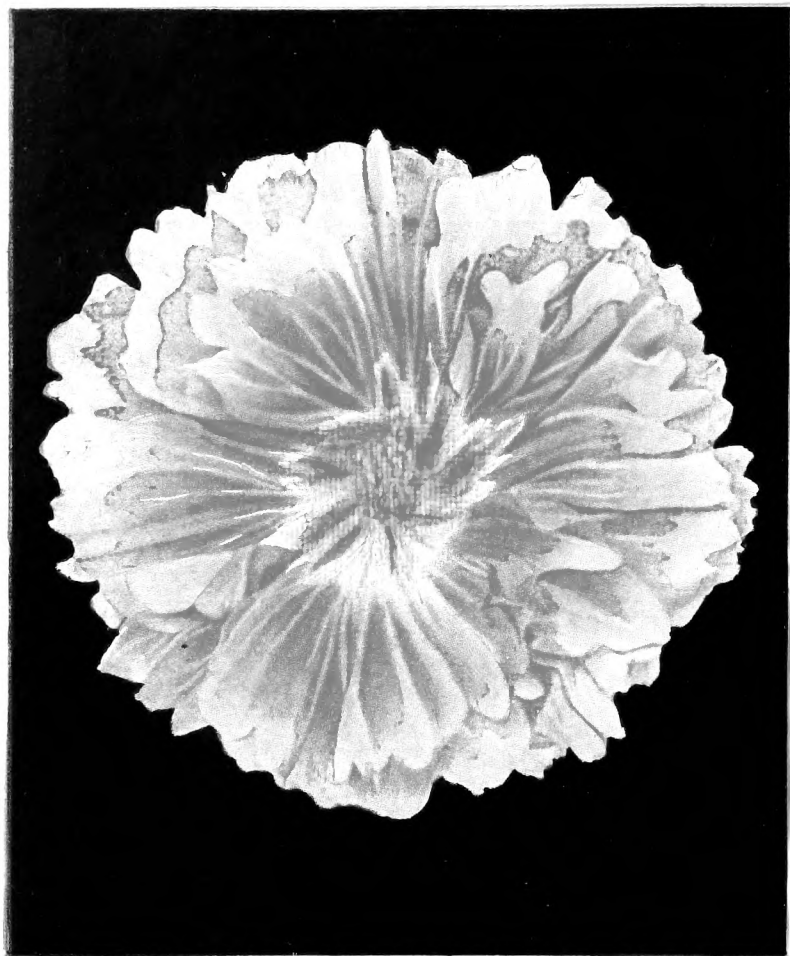
### AGROSTEMMA. H.P.

(Rose Champion)

**Coronaria.** Dark blood red. 2 ft. Pkt. 10c., ¼ oz. 25c.

There are thousands of varieties of Flower and Vegetable Seeds which we do not list. We can get you any variety or name kind. Our source of supply is such that we can meet your desire.





Hollyhock, Indian Spring

### HOLLYHOCK, Annual Indian Spring

This semi-double Annual Hollyhock will bloom in about three and one-half months from seed. Individual flowers measure 5 inches across and the center stalk grows 6 feet tall. The color range is from pale pink to deep rose.

Pkt. 25c., 5 pkts. for \$1.00

### MARIGOLD, Sunset Giants

(New)

A plant type that is a new departure in Marigolds, being showy, fragrant and of exceptional size. Flowers are loosely formed, full center, colored from light yellow to deep orange. Instead of the usual Marigold odor they have a definite sweet fragrance.

Pkt. 15c., 1/16 oz. 75c.



Petunia, Velvet Ball

### PETUNIA, Velvet Ball

A streamlined, compact, dwarf free blooming Petunia. 8 inches high, flowers 2½ inches. Eight to ten blooms at a time. Spread, 10 inches. Fine for pot culture, border and edging.

Pkt. 25c., 5 pkts. for \$1.00.

### CALENDULA Twilight

An outstanding additional color to the Chrysanthemum type Calendula. Soft lemon yellow deepening slightly at the tips. The flowers are unusually large and are carried on long stems. Petal tips are laciniated.

Pkt. 25c., 5 pkts. for \$1.00

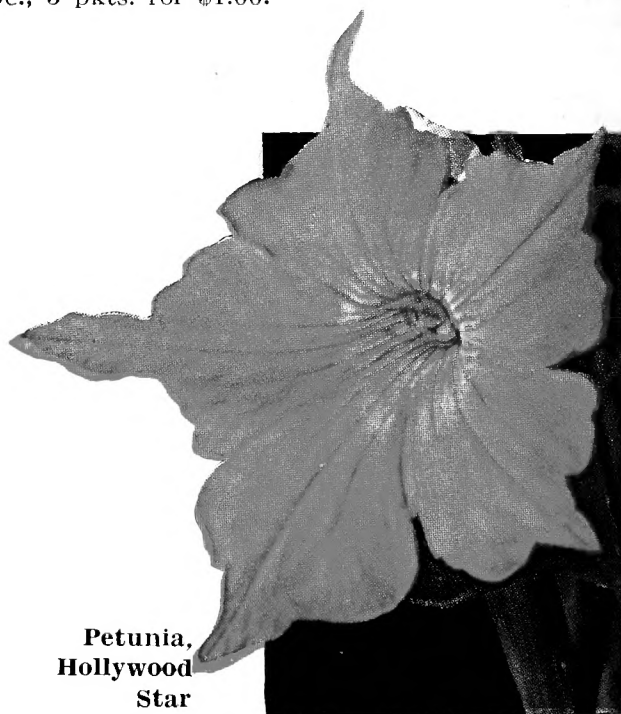
### PETUNIA Hollywood Star

Rich rose with an amber throat and unique elongated petal tips making a star-shaped flower. Very floriferous, the plants grow 12 inches high and are covered with flowers.

Pkt. 25c., 5 pkts. for \$1.00



Calendula, Twilight

Petunia,  
Hollywood  
Star

# Seeds for 1940

## TANDARD VARIETIES of MERIT



Yellow Perfection

### ASTER, Wilt-resistant Early Giant, Light Blue

Is extremely large-flowered, with daintily plumed and interlaced petals. The color is a clear rich light blue and the blooms of excellent cutting and keeping quality.

Pkt. 25c.

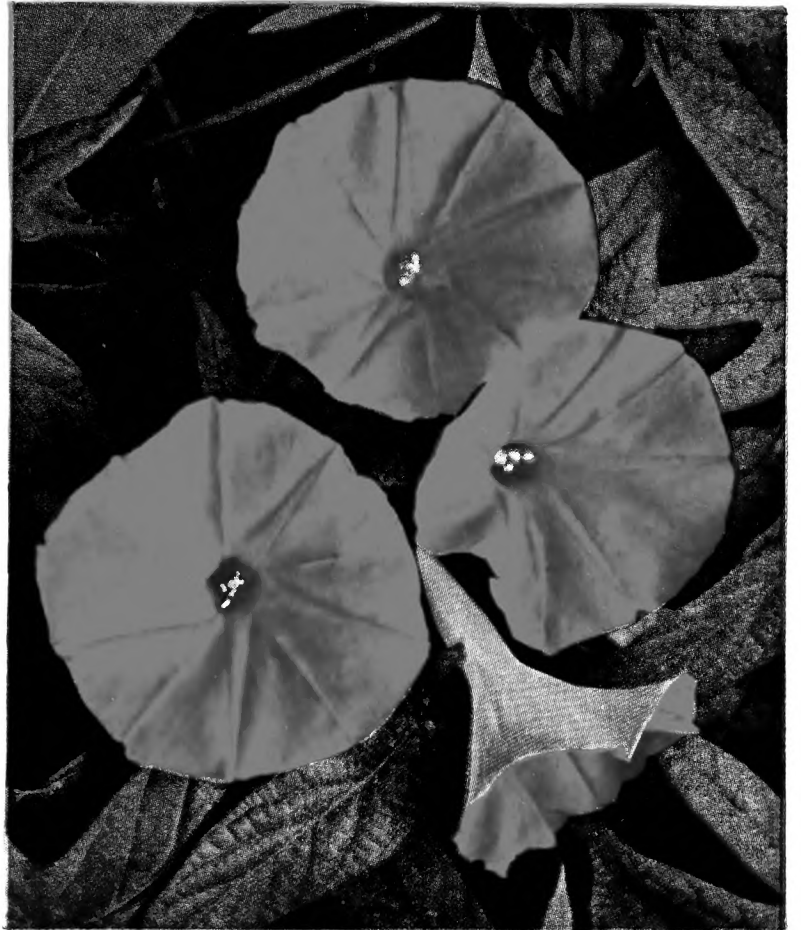
### GLADIOLUS "The Peer of All Summer-flowering Bulbs"

#### Yellow Perfection

Beautiful, clear deep yellow. Large flowers well placed on tall, sturdy stems.

Doz. 50c.

See page 16 for full listing



Morning Glory, Scarlett O'Hara

### MORNING GLORY, Scarlett O'Hara

The flowers are rich wine red and of good size, borne in profusion on vines with luxuriant dark green foliage. With us it bloomed before Heavenly Blue. An outstanding addition to the flower kingdom. Pkt. 25c., 5 pkts. for \$1.00

### ASTER, Giant Harmony Mixed (New)

Similar in habit to the Giants of California, plants 2 to 2½ feet tall with very long basal branching stems bearing 4 to 4½ inch blooms. These large flowers have full double quilled rounded centers; colors include all the lovely Aster shades. Pkt. 15c.



Zinnia, Fantasy, Wildfire

### ZINNIA, Fantasy Wildfire (New)

This new Zinnia adds a distinct note of color and cheerfulness to the garden and will enliven any home when used in flower arrangements. Wildfire is a rich, dazzling scarlet. The plants are neat in habit, strong growing and very free blooming, 2½ to 3 feet in height, coming into flower 45 to 50 days after the seed is sown. Sown the seed in place where the plants are to bloom. Pkt. 15c., 1/16 oz. 35c.

### PHLOX, Gigantea, Salmon Glory

Phlox Drummondii Salmon Glory is a pure salmon-pink with a distinct creamy-white eye. Gigantic florets 1½ inches in diameter on 10-inch trusses. One of the outstanding novelties of the year. Pkt. 25c., 5 pkts. \$1.00, 1/16 oz. 75c.



Phlox, Salmon Glory



**ALYSSUM.** H.A.

Pretty little plants for beds, vases or along edgings or rockwork; blooming profusely all Summer.

**Maritimum** (*Sweet Alyssum*). Fragrant white; flowers all Summer. 6 in. Pkt. 10c., oz. 40c.

**Little Dorrit.** A perfect little bush 4 in. high smothered with miniature white flowers. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**Carpet of Snow.** Dwarf; pure white. 4 in. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**Saxatile compactum.** H.P. Spring-blooming Alyssum with yellow flowers. 12 in. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Lilac Queen.** Pure lilac flowers, dwarf and compact growth. 6 in. Pkt. 15c.,  $\frac{1}{8}$  oz. 25c.

**AMARANTHUS.** H.A.

Annuals with brilliant foliage, thriving best in a hot, sunny location and a soil that is not too rich. 3 to 5 feet high.

**Caudatus** (*Love-lies-Bleeding*). Blood red; drooping. 3 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**ANCHUSA.** H.A. and H.P.

(*Alkanet, Sea Bugloss*)

**Capensis, Blue Bird** (*Cape Forget-Me-Not*). H.A. A fine, free growing annual variety about 15 in. high with sprays of lovely, Forget-Me-Not-like flowers of a vivid indigo blue. Plants are compact and of even habit. Very showy. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**ANTHEMIS.** H.P.

**Kelwayi.** Lemon yellow. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**ARABIS.** H.P.

**Alpina** (*Rockcress*). 6 in. For rockeries and also borders. White. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c.

**ARCTOTIS.** H.H.A.

**Grandis.** Daisy-like flowers; white, shaded blue. 2 ft. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.

**ARMERIA.** H.P.

**Formosa** (*Sea Pink*). 2 ft. Deep pink. Pkt. 15c.,  $\frac{1}{16}$  oz. 35c.

**AQUILEGIA.** H.P.

(*Columbine*)

The most graceful and delicate of the more easily grown hardy flowers. The beautiful foliage reminds one of the Maidenhair Fern. Flowers abundantly in the early Summer.

**Mrs. Scott Elliott's Long-spurred Hybrids.** A complete range of colors in flowers of grand size and long spurs. Pkt. 10c.,  $\frac{1}{8}$  oz. 50c.

**AUBRIETIA.** H.P.

(*Rainbow Rock Cress*)

**Mixed.** Pkt. 15c.,  $\frac{1}{16}$  oz. 50c.

**BALSAM.** H.H.A.

(*Lady Slipper*)

Very showy and easily grown, succeeding best in sunny situations. 1 to  $1\frac{1}{2}$  ft.

**Mixed Colors.** Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**BELLIS.** H.P.

**Perennis fl. pl.** (*Double English Daisy*). Spring-flowering perennial. 6 in.

**Finest Mixed.** Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**BRACHYCOME.** H.H.A.

**Iberidifolia. Mixed.** The well-known "Swan-river Daisy" is a beautiful little, half-hardy annual. Pretty blue flowers. 18 in. Pkt. 10c.,  $\frac{1}{4}$  oz. 50c.



Candytuft

**CALENDULA.** H.A.

(*Pot Marigold*)

**Sunshine or Chrysantha.** Tall, large double Butter-cup yellow flowers with long, wide petals drooping in the same manner as a chrysanthemum. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.,  $\frac{1}{4}$  oz. 35c.

**Radio.** Deep Orange, quilled petals, long stems. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.

**Campfire** (*Sensation*). Brilliant orange flowers. Their characteristic flatness accentuates their unusual size. Pkt. 10c.,  $\frac{1}{4}$  oz. 50c.

**Orange King.** Double rich orange-red variety, producing flowers over 3 in. in diameter. Pkt. 10c.,  $\frac{1}{4}$  oz. 20c., 1 oz. 60c.

**Orange Shaggy** (New). Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

**Mixed, All Double Sorts.** Pkt. 10c.,  $\frac{1}{4}$  oz. 15c.

**CALLIOPSIS**

A very showy annual in bloom from early Summer till frost. Single or double.

**All Colors Mixed.** Pkt. 10c.,  $\frac{1}{4}$  oz. 20c.

**Dwarf Colors Mixed.** Pkt. 10c.,  $\frac{1}{4}$  oz. 20c.

**CANARY BIRD VINE**

Sulphur yellow flowers with a green spur. The shape resembles a canary bird. Vines 8 to 10 feet. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c.

**CANDYTUFT.** H.A.

Showy plants, much grown in masses in beds or for edging. 12 inches.

**Coronaria, Giant Hyacinth-flowered.** White. 1 foot. Pkt. 10c.,  $\frac{1}{4}$  oz. 20c.

**Mixed Annual Sorts.** Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.

**PERENNIAL VARIETIES**

**Gibraltarica.** H.P. Beautiful bluish-white. 12 in. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**CANTERBURY BELLS.** H.P.

**Campanula calycanthema.** The true Cup-and-Saucer Canterbury Bells. **Mixed.** Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

**Campanula medium** (*Single Canterbury Bells*). **Mixed.** The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height, 2 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. 35c.

**Campanula medium** (*Double Canterbury Bell*). Lovely double bells on tall stems. Height, 2 ft. Colors are mixed. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.,  $\frac{1}{4}$  oz. 35c.

**NEW ANNUAL CAMPANULA**

This desirable class blooms within six months from seed. Same large flowers as in the Biennial varieties.

**Mixed Colors.** All the colors of the Biennial Campanula; shades of blue, rose and white carefully blended. 2 to  $2\frac{1}{2}$  ft. Pkt. 15c.,  $\frac{1}{8}$  oz. 40c.,  $\frac{1}{4}$  oz. 75c.

**CARDINAL CLIMBER**

Bright red Morning-glory-like flowers on vines, 10 to 20 feet long. Sow outside in early Spring. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c.

**CARNATION.** H.A.

General favorites for their delicious fragrance and richness of colors. They are indispensable both for greenhouse culture in Winter and for the Summer garden. 18 inches.

**Chabaud's Everblooming.** Blooms in five months from time of sowing and continues throughout the season. Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

**Choice Mixed.** Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

**Giant Marguerite.** A popular early flowering sort. Extra large flowers. Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

**CASTOR-OIL BEAN**

(*Ricinus*)

Plants of stately growth and picturesque foliage, brilliant colored fruit. Height, 8 to 12 feet. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c.

**CERASTIUM.** H.P.

**Tomentosum** (*Snow-in-Summer*). A dwarf, white-leaved edging plant with small white flowers. Good rock plant. 6 in. Pkt. 10c.,  $\frac{1}{16}$  oz. 20c.

**CENTAUREA.** H.A.

(*Cornflower*)

These old-fashioned flowers represent the best and most beautiful Summer blooming plants.

**Cyanus, Double Blue, Rose.** Each, pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**Double Mixed.** Pkt. 10c.,  $\frac{1}{4}$  oz. 15c.,  $\frac{1}{2}$  oz. 25c.

**Jubilee Gem.** Dwarf and compact, dark blue flowers. Excellent for beds and mass planting. Pkt. 15c.,  $\frac{1}{16}$  oz. 50c.

**Imperialis** (*Giant Sweet-Sultan*). The finest of all Sweet Sultans for cut flower purposes.  $\frac{1}{4}$  oz. 25c.,  $\frac{1}{2}$  oz. 40c.

**CHEIRANTHUS.** H.H.P.

**Allioni** (*Siberian Wallflower*). Excellent for rockery or border; brilliant orange flowers. 12 in. Very fragrant. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**CHINESE LANTERN**

**PLANT.** H.P.

(*Physalis Francheti*)

These fruits may be cut and dried for winter bouquets. Pkt. 10c.,  $\frac{1}{4}$  oz. 40c.,  $\frac{1}{2}$  oz. 70c.

**CHRYSANTHEMUM**

**Single Annual.** The bright-colored daisy-like flowers are useful for cutting. Height, 1 to  $1\frac{1}{2}$  ft. **Mixed.** Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.

**Golden Crown.** Flowers with finely quilled petals of bright golden yellow. Unusually free-flowering, growing to a height of  $2\frac{1}{2}$  to 3 ft. Seed must be started very early. Pkt. 25c., 5 pkts. \$1.00.

**CLARKIA.** H.A.

This pretty and easily grown annual does well either in sun or shade. 2 feet.

**Double Mixed.** All colors. Pkt. 10c.,  $\frac{1}{4}$  oz. 30c.



## CLEOME. H.A.

(Giant Spiderflower)

**Gigantea.** Bright rosy crimson flowers; adapted for large beds or borders. 3½ ft. Pkt. 10c., ¼ oz. 30c.

## COBAEA. H.A.C.

**Scandens.** Tender climber, large bell-shaped blue flower. 20 ft. Pkt. 10c., ¼ oz. 25c.

## COCKSCOMB or CELOSIA

**Glasgow Prize.** Immense, showy, dark crimson combs. Height, 1 ft. Pkt. 10c., ⅛ oz. 35c.

**Pride of Castle Gould.** Colors include brilliant shades of pink, orange, and crimson. Annual. Pkt. 10c., ⅛ oz. 25c.

## COREOPSIS. H.P.

(Perennial Calliopsis)

**Grandiflora.** Golden yellow. Pkt. 10c., ¼ oz. 25c.

**Mayfield Giant.** Large, deep golden yellow. Pkt. 15c., ¼ oz. 50c.

**Double Sunburst (New).** Deep golden yellow. Pkt. 10c., ⅛ oz. 30c.

## COSMOS. H.A.

This is one of our most beautiful and useful showy annuals. It is most effective when planted in broad masses, or along back ground borders against evergreens or fences.

**Sensation (New), Pinkie.** Lovely pink shade. This Cosmos is extra early flowering, coming into bloom ten weeks after sowing. Flowers of immense size, 4 in. across, carried on very long stems. 3 to 4 ft. Pkt. 10c., 1/16 oz. 25c.

**Dwarf Early Giant Flowering.** If sown in May in the open ground will usually bloom by the second week in July. Pkt. 10c., ¼ oz. 20c., oz. 60c.

**Early Double Crested.** A splendid class, producing double and semi-double flowers, beautifully crested and most striking in appearance. Pkt. 15c., ⅛ oz. 35c.

**Klondyke Orange Flare (New).** Vivid orange, early flowering. Pkt. 10c., ⅛ oz. 25c.

## CUPHEA. H.A.

**Firefly.** Semi-dwarf annual. Fiery cerise-red flowers on compact plants, about 10 in. high. Excellent for the rockery, window boxes or pots. Pkt. 25c.

## CYNOGLOSSUM. H.A.

**Amabile.** Beautiful rich blue, sweet-scented flowers. Fine for cutting. 18 in. Pkt. 10c., ½ oz. 25c.

**Amabile, Pink.** Pkt. 15c., ¼ oz. 50c.

## CYPRESS VINE

(Ipomoea Quamoclit)

A splendid, quick-growing vine with fine feathery, rich green leaves, and starred with small showy red flowers. Pkt. 10c., ½ oz. 25c.

## DAHLIA

**Unwin's Dwarf Hybrids.** Graceful, semi-double flowers in many colors. Sow in March indoors and they will bloom by the end of June. Fine for bedding and cutting. Pkt. 25c., 1/16 oz. 50c.

## DIANTHUS. H.A.

(Pinks)

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

**Heddewigi (Single Japan Pink).** Finest single-flowered.

**Mixed.** Pkt. 10c., ¼ oz. 20c.

**Heddewigi fl. pl. (Double Japan Pink).** Colors varying from the richest crimson to the most delicate rose. **Mixed.** Pkt. 10c., ¼ oz. 20c.

**Plumarius, Mixed.** H.P. Double and semi-double blooms with spicy fragrance. Known everywhere. 18 in. Pkt. 10c., ⅛ oz. 35c.

## DIDISCUS

**Caeruleus (The Blue Lace Flower).** This lovely annual has become extremely popular, on account of its beautiful, lacelike flowers of a delightful lavender-blue. Pkt. 10c., ⅛ oz. 30c.

## DIGITALIS. H.B.

(Foxglove)

Very ornamental hardy perennial plants of stately growth, producing long flower spikes. 3 to 6 feet. **Mixed, All Colors.** Pkt. 10c., ¼ oz. 25c.

**The Shirley.** Enormous spikes, colors ranging from white to dark rose, blotched and spotted. Pkt. 10c., ⅛ oz. 20c.

## DELPHINIUM. H.P.

(Hardy Larkspur)

These popular, hardy perennials produce splendid spikes of flowers throughout the entire Summer and Fall, varying in height from 3 to 6 feet.

**Blackmore & Langdon's Hybrids.** Superior English Strain (True). Pkt. 15c., ⅛ oz. 35c.

**Belladonna Improved.** Clear turquoise blue. Pkt. 15c., ⅛ oz. 40c.

**Bellamosa.** Deep blue. Pkt. 15c., ⅛ oz. 40c.

## ESCHSCHOLTZIA. H.A.

(California Poppy)

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Sow the seed where the plants are to remain. Height, 1 foot.

**Ramona Strain.** A new compact strain of California Poppies. **Mixed.** Pkt. 10c., ¼ oz. 30c.

**Ramona, Pink,** soft pink shades. Pkt. 10c., ¼ oz. 30c.

**Ramona, White,** pinkish tinge. Pkt. 10c., ¼ oz. 30c.

**New Hybrid, Mixed.** Pkt. 10c., ⅛ oz. 15c., ¼ oz. 25c.

**Aurantiaca.** Rich golden orange. This is the true California Poppy. It is, perhaps, the most desirable where one color is wanted. Pkt. 10c., ¼ oz. 20c., ½ oz. 35c., oz. 65c.



Gourds

## EUPHORBIA. H.A.

**Variegata (Snow on the Mountain).** Attractive bright green foliage. Grows 2 ft. high. Pkt. 10c., ¼ oz. 25c.

## FORGET-ME-NOT. H.H.P.

(Myosotis palustris)

Beautiful little half-hardy perennials with star-like flowers. Height, 6 inches. Pkt. 10c., ¼ oz. 30c.

## FOUR O'CLOCK. H.A.

(Marvel of Peru)

A well-known favorite, 2 feet. **Fine Mixed.** Pkt. 10c., ½ oz. 15c., oz. 25c.

## GAILLARDIA

(Blanket Flower)

The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow, orange. Height, ½ foot.

**Indian Chief.** An elegant, showy single-flowering annual variety with metallic red petals, surrounding a mahogany brown center. Pkt. 10c., ¼ oz. 25c., ½ oz. 45c.

**The Dazzler.** H.P. Pkt. 10c., ¼ oz. 30c.

**Burgundy.** New Coppery Scarlet. H.P. Pkt. 10c.

**Grandiflora Mixed.** Pkt. 10c., ¼ oz. 25c.

## GEUM. H.P.

**Mrs. Bradshaw.** Two feet tall and bearing double orange-scarlet flowers during Summer. Pkt. 10c., ⅛ oz. 35c.

## GLOBE-AMARANTH

Attractive, clover-like, strawy flower heads, about ¾ in. across.

**Mixed Colors.** 2 ft. high. Pkt. 10c., ¼ oz. 25c.

## GODETIA. H.A.

**Double Azalea Flowered.** Showy garden annuals 1 ft. high. **Mixed.** Pkt. 10c., ⅛ oz. 20c.

## GOURDS

**Ornamental Varieties, Mixed.** Includes a great number of interesting and diverse forms. Pkt. 10c., oz. 20c.

## GYPSOPHILA

(Baby's Breath)

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

**Elegans alba grandiflora.** H.A. Pure white, large flowers. Pkt. 10c., ½ oz. 20c.

**Rosea.** H.A. Rose-colored flowers. Pkt. 10c., ¼ oz. 20c.

**Paniculata.** H.P. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10c., ¼ oz. 30c., ½ oz. 50c.

**Paniculata fl. pl., Double.** H.P. Small, double white bloom. Invaluable for cutting. 3 ft. Pkt. 20c.

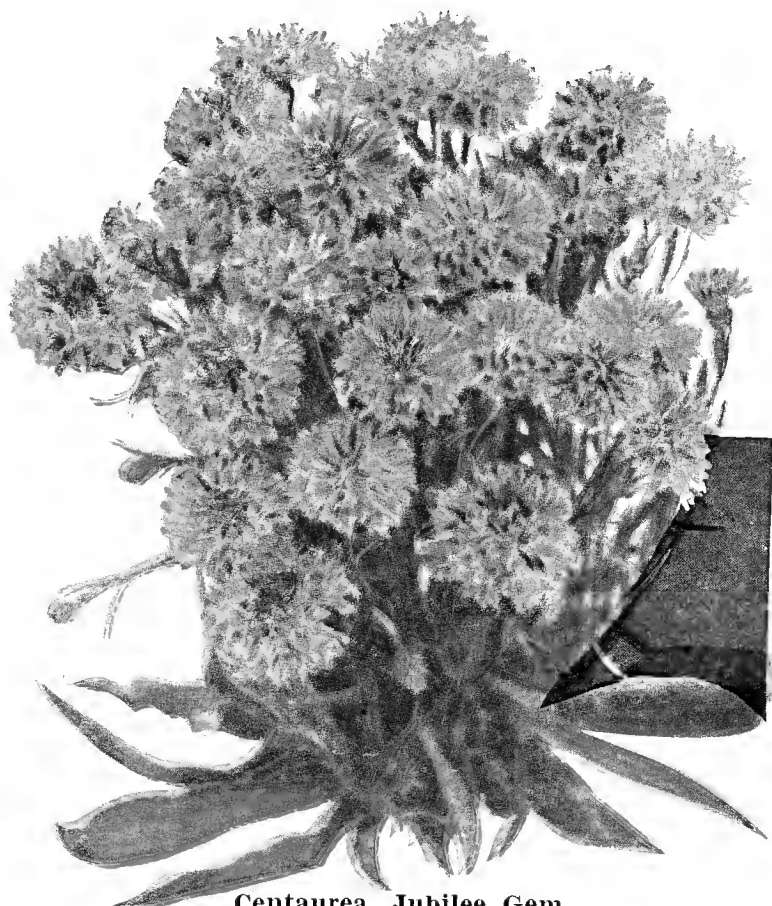
## HELIANTHEMUM. H.P.

(Sun Rose)

**Mutabile.** An excellent, dwarf, creeping perennial for dry soils. Pkt. 10c., 1/16 oz. 20c.

## HELIOTROPE. H.A.

Everyone loves the delightful fragrance and beauty of Heliotrope. Pkt. 10c., ¼ oz. 25c.



Centaurea, Jubilee Gem

### CENTAUREA, Jubilee Gem

Charming, compact plants about 12 inches high, covered completely with double dark blue flowers. Splendid for dwarf beds and a very showy subject for growing in pots.

Pkt. 15c., 1/16 oz. 50c.



Nasturtium, Double Scarlet Gleam

### RUSSELL LUPINES THE SENSATIONAL FLORAL GEM

(Lupinus Polyphyllus)

These remarkable Lupines are the result of the continuous labor for many years of the enthusiastic grower whose name they bear.

Seeds in growers' original colored packets with cultural directions by Mr. Russell.

#### RESELECTED STRAIN

12 seeds 25c., 50 seeds 65c.,  
120 seeds \$1.25, 250 seeds \$2.50

### PANSY Trimardeau Giant Mixed

Popular strain noted for its sturdy branching habit and large flowers. Pkt. 10c., 1/16 oz. 35c.,  
1/4 oz. 60c.

Pansy, Trimardeau  
Giant Mixed

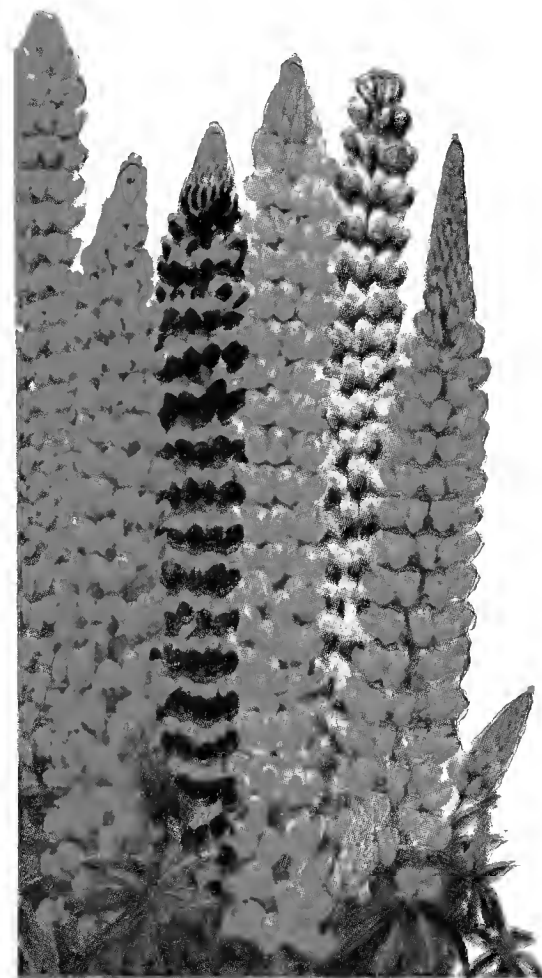
### DOUBLE SWEET-SCENTED NASTURTIIUM Scarlet Gleam

A sensational novelty in Nasturtiums inasmuch as it is the first double flowering variety to be successfully grown from seeds.

The plant forms a vigorous, large bush which throws out short runners, averaging 18 inches. The large, scarlet flowers average 2½ to 3 inches across. They are borne on erect, stiff stems 6 inches in length.

An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with fragrance.

Pkt. 10c., oz. 25c.



Russell Lupin Hybrids

### MARIGOLD, Sunrise

Tall, bushy plants with brilliant golden yellow flowers on long stems. The flower is composed of dozens of tiny 5-petaled florets gracefully interlocking, daintily fringed in effect. The blooms look like incurved Chrysanthemums. In bloom from August until frost. Sunrise comes 100 per cent fully double.

Pkt. 15c., 1/16 oz. 30c.



Marigold, Sunrise



## **NIEREMBERGIA HIPPOMANICA**

(Dwarf Cup Flower)

This charming dwarf lavender-blue Nierembergia has an exceptionally long flowering period, beginning to flower 15 weeks after seed is sown and continuing until heavy frosts of late Fall. Plants are definitely dwarf, not over 5 or 6 inches tall and with a spread of 8 to 10 inches. It is a half hardy perennial which will Winter over if given some protection. Pkt. 25c.



## **PETUNIA, Giants of California** **GIANT-FLOWERED RUFFLED VARIETIES**

Vigorous growers of semi-trailing habit with flowers which often measure 4 inches across. Many light shades, mostly with blotches and pencil markings of a different color in the throat. A superb strain. Pkt. 25c., 1/32 oz. \$1.25



## **ZINNIA, Fantasy Mixed**

A bright, colorful mixture of shaggy-petaled medium-sized double flowers. The shaggy, ray-like petals are entirely different. A delicate graceful bloom of imposing appearance. The plants are 2½ feet and early blooming. Pkt. 10c., 1/16 oz. 25c.

## **COREOPSIS, Double Sunburst**

This hardy perennial always was a favorite for gardens and for cut-flowers; now this glorious double form has been perfected. Large, double golden yellow flowers on long, clean stems are produced all Summer if not allowed to go to seed. Pkt. 10c., 1/8 oz. 30c.



## **CUPHEA, Firefly**

A tender annual flowering readily in 12 to 14 weeks from seed, and which blooms profusely throughout the Summer months. A newcomer last season Firefly has all the characteristics needed in a dwarf, compact plant. The flowers are small and delicately formed, fiery cerise red in color and are freely produced on compact plants about 10 inches high. Pkt. 25c., 1/16 oz. 50c.



**HEUCHERA**

(Coral Bells)

**Sanguinea.** The flowers are of a rich, bright coral-red color. 30 in. high. Pkt. 25c., 1/16 oz. 65c., 1/8 oz. \$1.25.

**HIBISCUS.** H.P.

(Mallow)

**Mixed.** Showy shrub-like plants bearing profusely white, pink and red flowers. 5 to 6 ft. Pkt. 10c., 1/4 oz. 25c.

**HOLLYHOCK.** H.P.

**Chater's Superb Double Mixed.** Height, 6 to 7 ft. Pkt. 10c., 1/8 oz. 20c.

**Single Mixed.** Probably the most showy of the many good old-fashioned flowers. Pkt. 10c., 1/4 oz. 20c.

**Indian Spring.** H.A. (New). Pkt. 25c.

**HONESTY.** H.B.

(Lunaria, Moonwort, Satin Flower)

**Biennis.** Admired for their silvery seed-pouches. Height, 3 ft. Pkt. 10c., 1/8 oz. 20c., 1/4 oz. 35c.

**HUNNEMANNIA.** H.A.

(Tulip Poppy or Bush Eschscholtzia)

**Sunlite.** Gorgeous, semi-double clear canary yellow blooms with a row of short petals on the outside, instead of the inside of the cup. Pkt. 10c., 1/4 oz. 60c.

**ICE PLANT.** H.A.

(Mesembryanthemum)

**Crystallinum.** The leaves appear as if covered with a coating of thin ice. Pkt. 10c., 1/4 oz. 25c.

**JOB'S TEARS.** H.A.

Gray ornamental seeds. Often strung as beads. 2 to 3 feet. Pkt. 10c., oz. 25c.

**LANTANA.** H.A.

**Hybrida, Mixed.** Shrubby annual plant with verbenalike flowers. Height, 2 ft. Pkt. 10c., 1/4 oz. 30c.

**ANNUAL LARKSPURS**

**Giant Imperial Blue Bell.** Deeper than sky blue. Long spikes of double flowers carried on stems 4 to 5 ft. long. Pkt. 10c., 1/8 oz. 20c.

**Stock Flowered Rosamond.** Deep rose double flowers on long spikes. Pkt. 10c., 1/8 oz. 25c.

**Empress Rose.** A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. 6 ft. Pkt. 10c., 1/8 oz. 20c.

**Lustrous Carmine.** Bright red. Pkt. 10c., 1/8 oz. 20c.

**Giant Imperial White King** (New). The florets are extremely large and fully double. Pkt. 15c., 1/8 oz. 30c.

**Giant Imperial Coral King** (New). A new color in Larkspurs. Blush pink with a strong suffusion of coral. Pkt. 15c., 1/4 oz. 30c.

**Dark Blue.** Deep lovely blue flowers. Pkt. 10c., 1/8 oz. 20c.

**Mixed Choice Colors.** Fine for cutting. Pkt. 10c., 1/4 oz. 20c.

**LAVATERA.** H.A.

(Mallow)

Annual Mallows produce a decorative effect in hedges or borders. The large cup-shaped blooms, two to three inches across, bloom the entire Summer.

**Splendens rosea.** Bright rose pink flowers. Pkt. 10c., 1/4 oz. 40c.

**LINUM, or FLAX.** H.P.

**Sibiricum.** Large, beautiful, blue flowers, blooms continuously for many weeks. The plants grow from 15 to 24 in. tall. Pkt. 10c., 1/4 oz. 20c., 1/8 oz. 35c.

**Grandiflorum rubrum.** Fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 15 in. Pkt. 10c., 1/4 oz. 20c.

**LOBELIA**

**Crystal Palace.** 4 in. Deepest blue annual. Highly desirable for edgings, ribbon bedding and garden decoration. Pkt. 10c., 1/8 oz. 40c.

**LUPINUS**

(Lupine)

Lupines are showy plants, a little out of the ordinary, with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the Sweet Pea. Do not attempt to transplant the annual sorts.

**Hartwegi, H.A., Finest Mixed.** Choice assortment of colors. Height, 2 ft. Pkt. 10c., 1/2 oz. 25c.

**Polyphyllus, H.P., Finest Mixed.** Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height, 3 ft. Pkt. 10c., 1/2 oz. 25c.

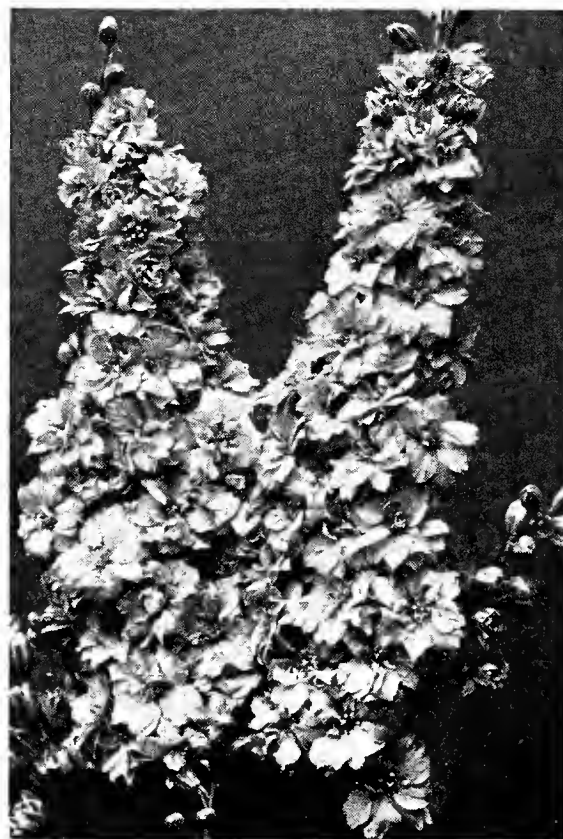
**Russell Hybrids.** Pkt. 15c. and 25c.

**MEXICAN FIRE-BUSH or SUMMER CYPRESS**

An easily grown annual which forms a cypress-like hedge. Height, 2 to 3 feet. Pkt. 10c., 1/2 oz. 20c.

**MIGNONETTE, Sweet-Scented**

Valuable on account of its fragrance. Sow in succession during the Summer. Annual. Pkt. 10c., 1/4 oz. 20c.



Larkspur, Giant Imperial Blue Bell

**MARIGOLD**

**Sunset Giants** (New). A Marigold without the objectionable odor. Flowers loosely formed, full center, colors light yellow to deep orange. Pkt. 15c., 1/16 oz. 75c.

**Yellow Supreme.** Pkt. 10c., 1/8 oz. 25c.

**Guinea Gold.** Without question the most glorious and lovely of all Marigolds. The richest, purest orange-gold color. 2 to 2 1/2 ft. high. Pkt. 10c., 1/8 oz. 25c.

**Giant African, Double.** Height, 3 ft. All shades of yellow. **Finest Mixed.** Pkt. 10c., 1/4 oz. 25c.

**French Dwarf, Double, Mixed.** Pkt. 10c., 1/4 oz. 25c.

**Dixie Sunshine.** Pkt. 20c., 1/16 oz. 30c.

**French.** Royal Scot. Tall double, bold combination mahogany and gold in symmetrical stripes which radiates from center of flower. Pkt. 15c., 1/8 oz. 35c.

**Double Harmony Hybrids** (New). Dwarf Double French Marigold. Scabiosa-like flowers of deep orange center, petals flanked by broad velvet dark maroon, brown guard petals. Pkt. 25c.

**Crown of Gold** (New). Pkt. 15c., 1/16 oz. 25c.

**MOONFLOWERS**

**Blue.** Deep clear blue flowers. Vines are rapid growth and bloom profusely. Soak seed in water 24 hours before planting. Pkt. 10c., 1/8 oz. 20c., 1/4 oz. 35c.

**White.** Vines are covered with large white flowers. Seeds should be soaked in water. Pkt. 10c., 1/8 oz. 15c.

**MORNING-GLORIES**

**Japanese Imperial.** Flowers of immense size in a great variety of colors. Pkt. 10c., 1/2 oz. 25c.

**Heavenly Blue** (*Rubra caerulea*). True blue flowers with white throat measuring 3 1/2 to 4 in. across. Very beautiful and good bloomers. Pkt. 10c., 1/8 oz. 20c.

**Clark's Early Mammoth** (New). Blue. Pkt. 10c., 1/8 oz. 20c.

**Scarlett O'Hara** (New). Gold Medal Award 1938 and 1939. Pkt. 25c., 5 pkts. \$1.00

**Cornell** (New). Cornelian Red with white borders. Pkt. 25c., 5 pkts. \$1.00.

**Heavenly Blue Morning Glories are slow germinating. Soak overnight.**

**GRAND NEW DOUBLE SWEET-SCENTED NASTURTIUM**

**Double Gleam Hybrids** (The Gold Medal Flower). The hybrids are a collection of gorgeously colored, large, well-formed double flowers of dazzling beauty. Glorious double flowers in salmon, golden yellow, orange scarlet, cerise, cream, orange and crimson on upright stiff stems, abound in profusion. Semi-dwarf, easily grown in the garden. Fragrant. Pkt. 10c., 1 oz. 20c.

**Double Scarlet Gleam.** Individual double blooms of fiery orange scarlet, almost 3 in. across. The sweet fragrance is very pronounced and the double flowers more uniformly well formed. Plants are semi-dwarf, bearing numerous flowers on long wiry stems. Pkt. 10c., 1 oz. 25c.

**Golden Gleam.** Large double golden yellow flowers 2 1/2 in. to 3 in. across. Stiff erect stems 6 in. in length. Pkt. 10c., 1 oz. 25c.

**Dwarf Double Gem.** At last we have the perfect nasturtium. Very compact plants without runners; an abundance of long stemmed flowers in colors ranging from the deepest crimson through orange, salmon and cerise to cream. Bright clear foliage makes this a perfect border plant. Pkt. 15c.

## SINGLE-FLOWERING NASTURTIUMS

**Our Gilt-Edge Mixtures** are especially rich in brilliant colors, large, single flowers and free-blooming.

**Tall or Climbing, Choicest Mixed.** Oz. 15c.  
**Tom Thumb Dwarf, Choice Mixed.** Oz. 15c., 2 ozs. 25c.

## NICOTIANA. H.A. (Flowering Tobacco)

**Affinis. New Hybrids.** The plants average 2½ ft. in height and bloom profusely in shades of rose red, crimson, and creamy white. Pkt. 10c., ¼ oz. 25c.

## NIEREMBERGIA. H.A. (Cup Flower)

**Hippomanica.** A beautiful little plant for border decoration; 4 to 6 in. high, flowers delicate lavender, 1 to 1¼ in. across with a clear yellow eye. Pkt. 25c.

## PANSIES. H.P.

**Trimardeau or Giant Mixed.** A Giant Flowering variety with an improved color range. Artistic effects can be achieved by planting this superb mixture. Pkt. 10c., ⅛ oz. 35c., ¼ oz. 60c.

**Giant Perfection Mixed.** This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25c., 1/16 oz. 40c.

## VIOLAS. H.P. (Tufted Pansies)

While the flowers of the Tufted Pansies are not as large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time.

**Cornuta Mixed.** A splendid mixture of the best varieties. Pkt. 10c., ⅛ oz. 35c., ¼ oz. 60c.

## PETUNIAS. H.A.

### GIANTS OF CALIFORNIA

**Giant-flowered Ruffled Varieties.** Vigorous growers of semi-trailing habit, with flowers which often measure 4 in. across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25c., 1/32 oz. \$1.25.

**Rose Gem Petunia.** New compact plant of miniature Petunias, Rose of Heaven color. Pkt. 25c., 1/32 oz. \$1.25.

### PETUNIA, VELVET BALL (New)

A streamlined, compact, dwarf, free blooming Petunia. Eight inches high, flowers 2½ inches. 8-10 blooms at a time spread 10 inches. Fine for pot culture, border and edging. Pkt. 25c.

### SINGLE FRINGED PETUNIA

**Dainty Lady.** A new yellow single fringed Petunia. Pkt. 25c., 1/32 oz. \$5.00.

**Burgundy.** Single Plain Edged (New). Red with white throat, strong grower. Pkt. 25c.

### NEW PETUNIA, Ruffled Nana Compacta MARTHA WASHINGTON

The color is quite remarkable: The frilled portion of the flower is a beautiful blush-pink and the center portion is strongly veined a rich wine-red deepening in the throat, to dark violet. It is very suitable for borders, bedding, pots, or window-boxes. Pkt. 15c., 1/32 oz. \$1.00.

**Giant Double Fringed.** Large flowering mixed. Pkt. 25c.

## SINGLE BEDDING PETUNIAS

Everyone has room for some Petunias, either in porch or window-boxes, beds, borders, or rockeries. **Mixed.** Pkt. 10c., ⅛ oz. 25c.

**Fluffy Ruffles.** A marvelous blend of Giant Ruffled Petunias in many beautiful colors, with wide-open throats, many of which are feathered or veined with contrasting delicate or deep, rich hues. Pkt. 15c., 1/32 oz. \$1.00.

## ROSY MORN PETUNIA

A great favorite because it adapts itself to so many uses. Ideal for porch boxes, beds, terraces, borders and among rockwork. Lovely flowers of delicate rose-pink with white throat. Sow thinly outdoors or for earlier blooms start seed in the house. Pkt. 10c., ⅛ oz. 60c.

## BALCONY PETUNIAS

These large and beautiful Petunias were bred to produce a wealth of bloom when grown in porch or window-boxes, or garden vases; when grown in beds or borders they produce pleasing, striking effects.

**Blue, Rose, and Red.** Each, pkt. 15c., ⅛ oz. \$1.00.

**Balcony Choice Mixed.** Pkt. 15c., ⅛ oz. 75c.

**Elks Pride.** The finest dark blue balcony type. Pkt. 25c.

## PENTSTEMON. H.P. (Beard Tongue)

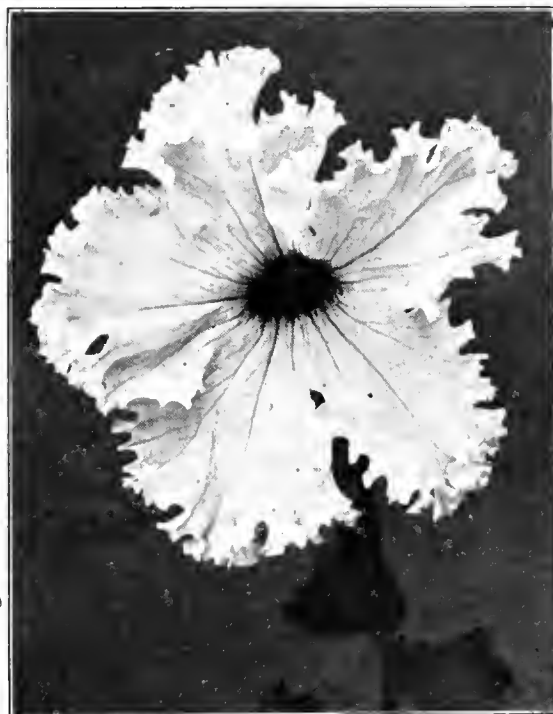
**Gloxinioides.** Very showy plants growing from 2 to 4 ft. high, rather bushy, with very long, slender spikes bearing many trumpet-shaped flowers with hairy throats, hence the name "Beard Tongue." Pkt. 15c., 1/16 oz. 35c.

## PHACELIA. H.A.

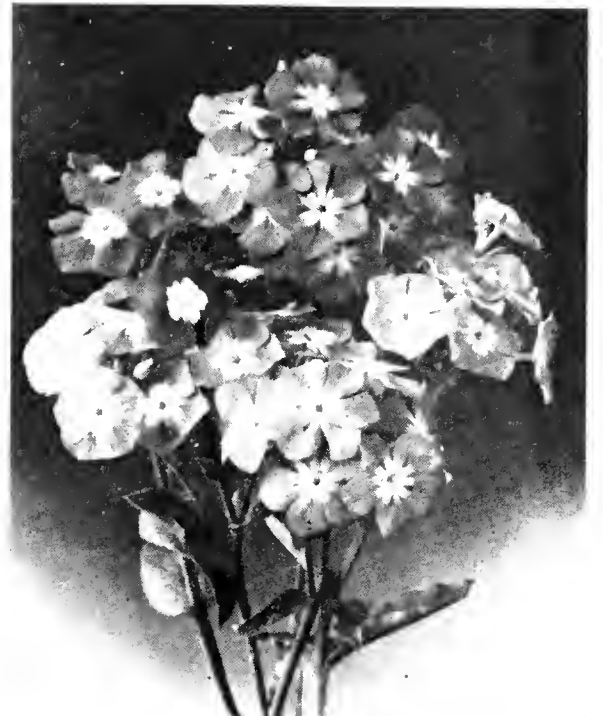
Attractive little plants delighting in rather dry soil and a sunny situation. Fine for edgings and rockeries. Of easy culture. A gem for the "blue" garden.

**Campanularia (California Blue Bells).** Gentian-blue with contrasting white anthers. 9 in. Pkt. 10c., ¼ oz. 30c.

**We carry a full line of bulbs for Fall planting. Prices will be available Oct. 1st.**



Single Bedding Petunias



Phlox, Choice Mixed

## PHLOX DRUMMONDI. H.A.

**Salmon Glory.** A pure salmon-pink with a distinct creamy-white eye. Gigantic florets 1½ in. in diameter on 10 in. trusses. One of the outstanding novelties of the year. Pkt. 25c., 1/16 oz. 75c.

**Fireball.** Crimson-scarlet. For dwarf beds or borders where plants growing 5 to 6 in. tall are wanted. They bloom freely throughout the Summer. Pkt. 15c., ⅛ oz. 50c.

**Choice Mixed.** All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Annual. Pkt. 10c., ¼ oz. 35c.

## PHYSOSTEGIA (False Dragonhead)

Rosy lilac flowers resembling little Snapdragons on rigid, upright plants not unlike Heather. July to September. 3 to 4 ft. Pkt. 10c., ⅛ oz. 40c.

## PLATYCODON. H.P. (Balloon Flower)

The unopened buds resemble miniature balloons, opening up as deep-throated, 1½ to 2-inch bells. Plants grow 2 to 3 feet high and bloom profusely.

**Mixed.** Blue and white. Pkt. 10c., ⅛ oz. 25c.

## PERENNIAL POPPY. H.P.

**Oriente, Scarlet.** The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in Spring. Pkt. 10c., ⅛ oz. 25c.

**Princess Victoria Louise.** Salmon pink. Pkt. 15c.

**Mrs. Perry.** Orange-apricot, and a very fine variety, the best of all the "Pink Poppies." Pkt. 25c.

**Perry's White.** The flowers are a fine satiny white with a crimson-maroon blotch at the base of each petal. Pkt. 25c.

**Pilosum.** Apricot, Orange. Pkt. 15c.

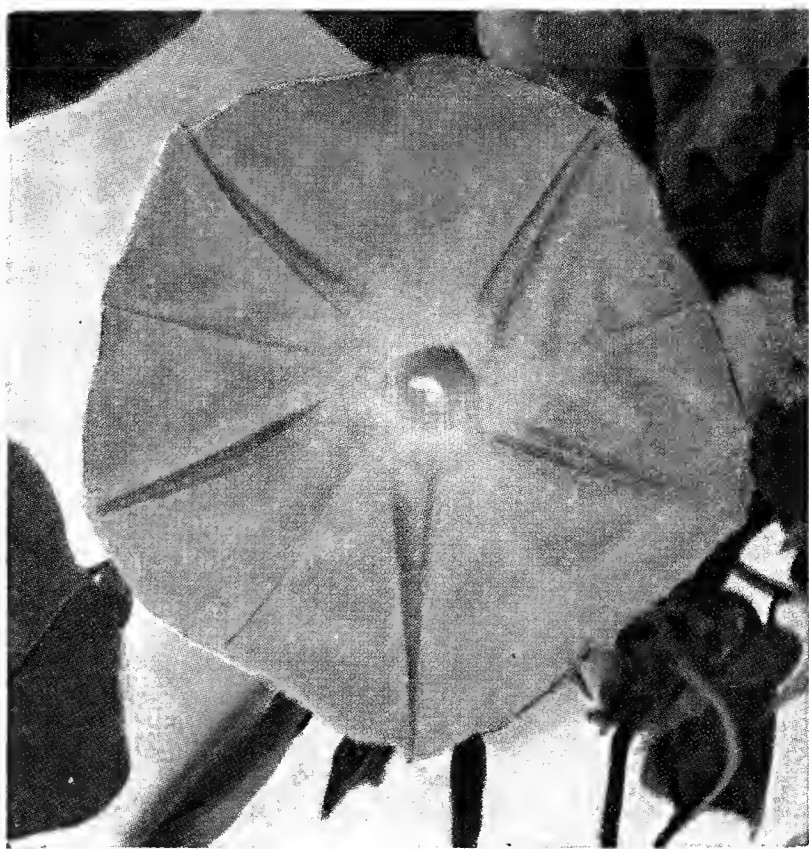
**Choicest Mixed.** Fiery red, scarlet, orange-scarlet, salmon, and others. A charming mixture. Pkt. 10c., ⅛ oz. 30c., ¼ oz. 50c.

**Nudicaule (Iceland Poppy).** A hardy type of Poppy delicately formed and containing many shades of yellow and orange which are foreign to their shorter lived annual cousins. 18 in. high. Pkt. 10c., ⅛ oz. 25c., ¼ oz. 40c.



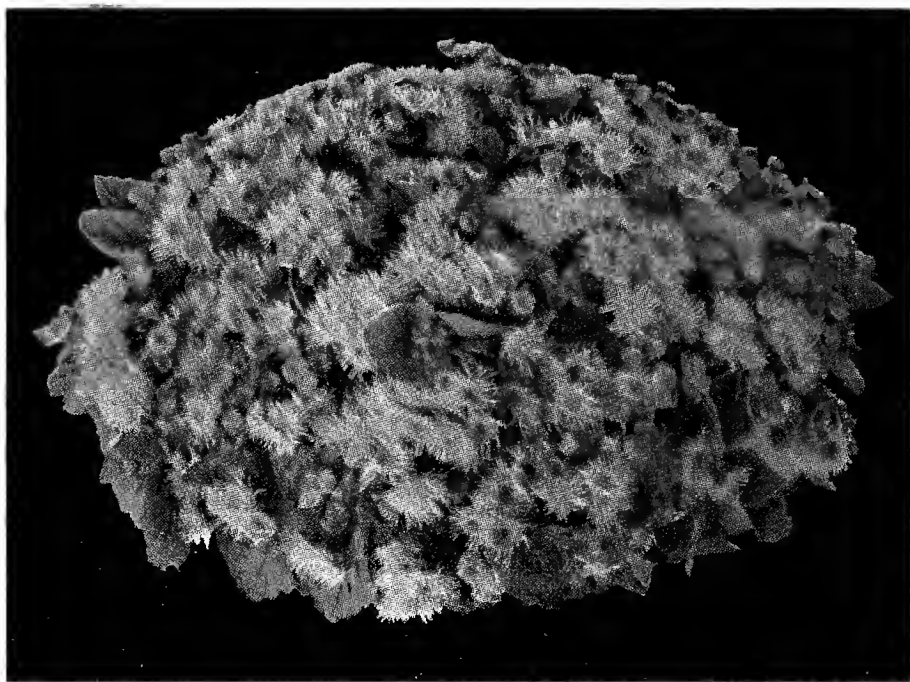
### CHRYSANTHEMUM (SUMMER-FLOWERING ANNUAL) DOUBLE GOLDEN CROWN

**Golden Crown** has the robust constitution of the Coronarium varieties, making vigorous, well-branched plants 3 to 4 feet in height. It is a free producer, has attractive silver-green foliage and bright butter-yellow flowers. The petals of each flower are quilled in shape, which increases the decorative value of this popular little annual. **Golden Crown** produces 100 per cent double plants. Pkt. 25c.



### IPOMOEA (Morning Glory) HEAVENLY BLUE (RUBRA CAERULEA)

True blue flowers with white throat measuring  $3\frac{1}{2}$  to 4 inches across. Very beautiful and good bloomers. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.



Ageratum, Midget Blue

### AGERATUM, Midget Blue

Only 3 to 4 inches tall, with dense spread of 12 inches, freely producing tiny tufts of true Ageratum-blue or azure-blue flowers. Truest and most compact dwarf variety so far seen; valuable for edging, rockeries and pots. Pkt. 25c.

### AGERATUM, Fairy Pink

Large, full, light pink flower clusters freely produced on compact plants 5 to 6 inches high. Pkt. 15c.,  $\frac{1}{16}$  oz. 75c.



### STATICE SINUATA STARK'S NEW ART SHADES

Statice makes an excellent cut flower and may also be dried for Winter bouquets. This strain shows colors heretofore unknown to Statice. Buff tone, salmons, oranges, chamois, rose shades and carmines are included in this mixture. Pkt. 25c.





Cosmos, Sensation Pinkie

## COSMOS, Sensation Pinkie (New)

The Sensation type of Cosmos is today the favorite for cut flower use. The flowers are of immense size 4 to 5 inches or more in diameter with broad heavy fluted petals which slightly overlap, giving a very full single flower. These large flowers are very freely produced on long, strong stems, the plants reaching a height of from 3 to 4 feet. The plant flowers within 8 to 10 weeks of sowing. Is a delightful rose-pink.

Pkt. 10c., 1/16 oz. 25c.

## CORNFLOWER, Lilac Lady

Identical to Jubilee Gem in habit of growth and flowering with large, double, bright lilac mauve blossoms carried in profusion.

Pkt. 15c., 1/16 oz. 25c.

## IPOMOEA, Cornell

This new variety, Cornell, combined the brilliant coloring of Scarlett O'Hara with the size of bloom and robust habit of the Heavenly Blue Morning Glories. The blooms are large, 4 to 4 1/4 inches in diameter, in an intense shade of cornelian red with a border a little over an eighth of an inch wide of pure glistening white.

Pkt. 25c.

## MARIGOLD, Dwarf Harmony Mixed

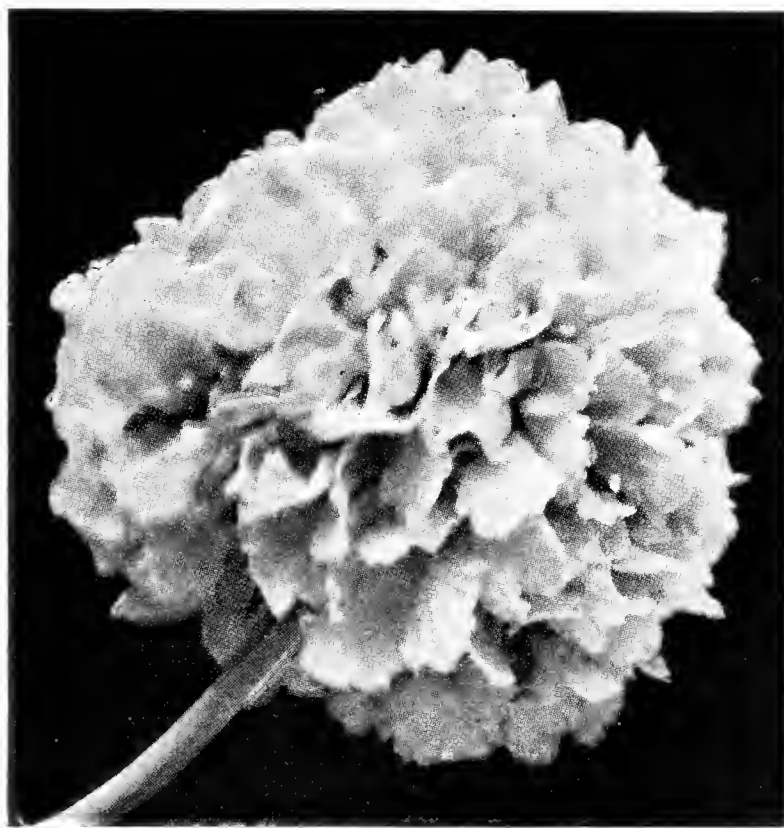
Identical with the Dwarf Double Harmony Hybrids. The flowers have characteristic Harmony crested center flanked by deep mahogany-red guard petals, while the color range includes the popular orange and maroon-red combination of Harmony, the new bright yellow and mahogany-red, golden orange and golden yellow self colors together with blotched and striped combinations.

Pkt. 15c., 1/16 oz. 50c.

## VERBENA, Crimson Glow (New)

The flowers are pure self-colored glowing crimson of good size, freely produced on plants which are semi-compact. Crimson Glow is a vivid Verbena and rounds out the color shades of the Verbenas.

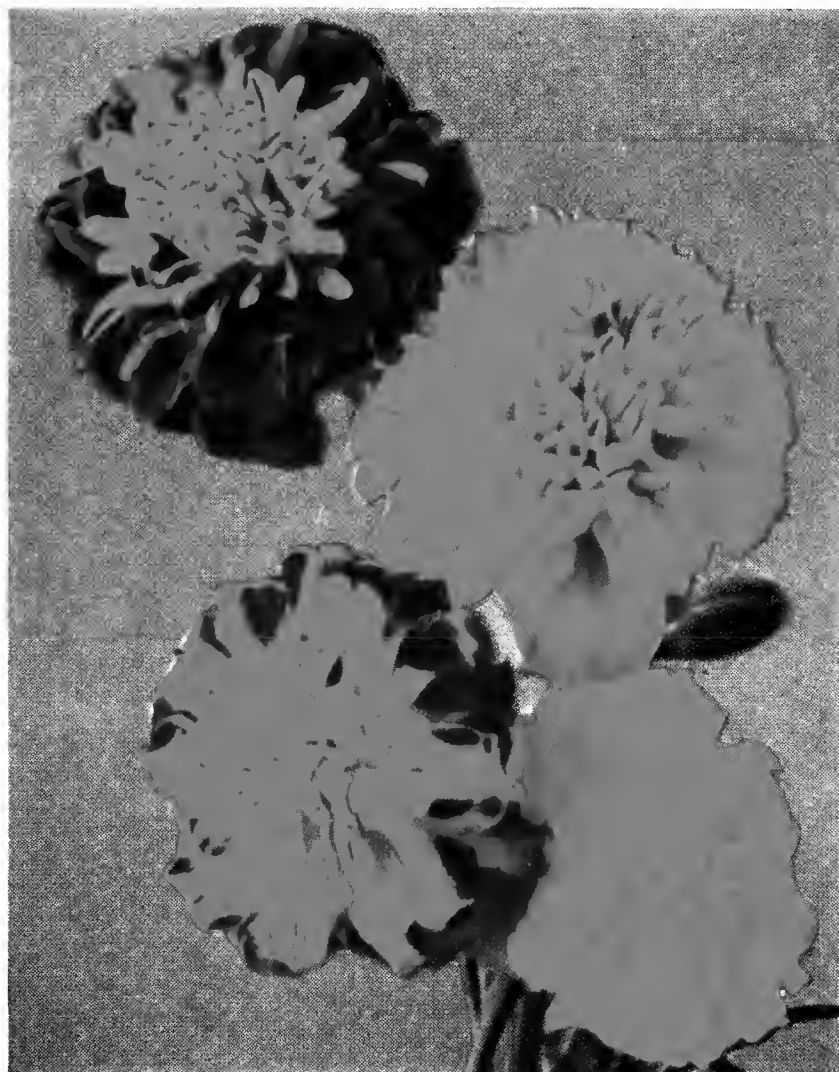
Pkt. 15c., 1/16 oz. 25c.



## SCABIOSA, Blue Moon

This new type of Scabiosa has flowers composed entirely of broad heavy, wavy petals, eliminating the pincushion center. The flowers are extremely large, deep, and carried on long, wiry stems. The plants are tall and of upright habit.

Pkt. 15c., 1/16 oz. 50c.



Marigold, Dwarf Harmony Mixed

### PORTULACA. H.A. (Moss Rose)

Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

**Single Mixed.** Pkt. 10c., ¼ oz. 25c.

**Double Mixed.** Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10c., 1/16 oz. 30c., ½ oz. 50c.

### ANNUAL POPPY. H.A.

**Double Cardinal.** Flowers are large fringed and fully double. **Mixed.** Pkt. 10c., ½ oz. 15c.

**Double Shirley Art Shades.** A most charming poppy. Large double flowers. Petals crinkled and fluted, measuring 3 to 4 in. across. **Mixed colors** of clear new shades. Pkt. 10c., ½ oz. 15c.

**Shirley, Mixed Colors.** Varying in color from pure white to rosy carmine and deep crimson in mixture. Pkt. 10c., ¼ oz. 15c., ½ oz. 25c.

### PYRETHRUM. H.P. (Painted Daisy)

**Single Mixed.** Showy plants that bloom the first season if seed is sown early. Flowers double globular. 2 to 3 in. across, white, rose, crimson, and scarlet. The foliage is fine-cut and ferny. Height, 2 ft. Pkt. 15c.

**Pyrethrum Single and Double Mixed.** Pkt. 10c.

### ROCK GARDEN

**Rock Garden Mixtures.** Annual finest mixed. Pkt. 10c. Perennial finest mixed. Pkt. 10c.

**Alpestris.** Dwarf rock plant; dainty pure white flowers. Pkt. 15c.

### SALVIA (Scarlet Sage)

This popular and showy bedding annual plant should be started either in the house or in hotbeds.

**Bonfire.** Compact, bushy plants, 2 ft. high, producing erect spikes of brilliant scarlet flowers. Pkt. 10c., ½ oz. 50c., ¼ oz. 90c.

**Splendens.** Tall-growing plants. Height, 3 ft. Pkt. 10c., ¼ oz. 60c., oz. \$2.00.

**Farinacea, Blue Bedder.** H.P. Rich, deep blue, handsome flowers on long stems. Pkt. 15c., ½ oz. 50c.

### LARGE-FLOWERING SALPIGLOSSIS

A free-flowering annual, succeeding best in cool, moist soils. The large flowers are most vividly spotted and striped on ground-colors of deep blue rose, velvety yellow and reddish bronze. Pkt. 10c., ¼ oz. 30c., ½ oz. 50c.

### SAPONARIA

**Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers June-August. Pkt. 10c.

### SAXIFRAGA

**Perennial Species, Mixed.** Pkt. 25c.

### LARGE FLOWERED DOUBLE SCABIOSA

These beautiful hardy annuals are in great demand. They grow about 2½ ft. high. We highly recommend these new hybrid Scabiosas to all growers. **Mixed.** Pkt. 10c., ¼ oz. 20c. **Azure Fairy.** Clear lavender-blue. Pkt. 15c., 1/16 oz. 25c.

**Blue Moon (New).** Pkt. 15c. See page 13. **King of the Blacks.** Velvety black-purple. Pkt. 15c., 1/16 oz. 25c.

**Fire King.** Fiery scarlet. Pkt. 15c., 1/16 oz. 25c.

**Peachblossom.** Soft peach-blossom pink. Pkt. 15c., 1/16 oz. 25c.

**Shasta.** Very large pure white. Pkt. 15c., 1/16 oz. 25c.

**Scabiosa caucasica (Blue Bonnet)** perennial. Giant Hybrids (Isaac House strain), fringed and ruffled, shades of blue from lavender to dark blue, very large flowers. Pkt. 15c., 1/16 oz. 25c.

### SCHIZANTHUS (Poor Man's Orchid)

Myriads of dainty blossoms like butterflies or tiny orchids crowd these delightful plants. In the garden or for pot culture they make very effective growth. The seed germinates readily, and the plants start flowering within a few weeks. They are fine for picking.

**Dr. Badger's Strain of Hybrids.** A beautiful collection of large flowered hybrids with dainty markings, chiefly in the lighter tones or pastel shades. Pkt. 10c.

**Butterfly Mixture.** Fine bright mixture, free flowering, compact pyramidal plants, 12 in. to 15 in. Pkt. 10c.

### STATICE (Sea Lavender)

**Sinuata.** Perhaps the prettiest of the various Everlastings, with long sprays of bright-colored paper-like flowers. The seeds are in the dried flower-heads which should be planted without separating, laying them flat instead of upright. **Mixed.** Pkt. 10c., ¼ oz. 20c.

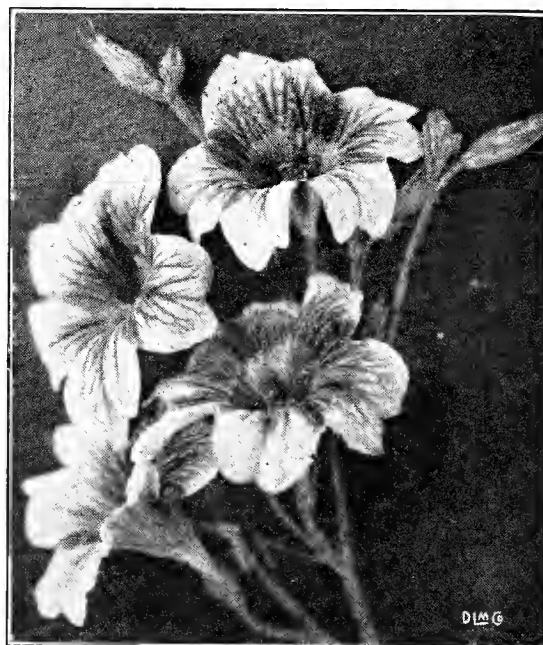
**Suworowii (Russian).** Bright rose spikes, 30 in. Pkt. 10c.

**Tatarica (Incana).** Small white flowers, 1½ ft. Pkt. 10c.

**Latifolia.** Blue. Pkt. 10c.

### SEDUM

**Coeruleum.** 3 in. Pale blue. Pkt. 25c.



Salpiglossis



Giant Snapdragon

### SHASTA DAISY. H.P.

**Alaska.** The Shasta Daisy, Alaska is a very large-flowering strain, the blooms measuring 4 to 5 in. across, with broad overlapping petals of purest white. One packet sows 12 ft. of row. Pkt. 10c., ½ oz. 25c., ¼ oz. 40c.

**Double.** Fringed petals on long, wiry stem. Pkt. 25c.

### SIBERIAN WALLFLOWER. H.P.

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely throughout the Summer. For early Spring flowering, sow in late Summer. Splendid for rockery. Plants grow about 1 foot high, with heads of brilliant orange flowers. Pkt. 10c., ½ oz. 25c.

### GIANT SNAPDRAGON (Antirrhinum)

The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

**Rust Proof Mixed.** The largest advancement in raising Snapdragons is this new variety completely free of rust. Pkt. 20c., 1/16 oz. 35c.

**Giants, Special Mixture.** Embraces a magnificent assortment of the finest new varieties. Pkt. 10c., 3 pkts., 25c., ½ oz. 35c., ¼ oz. 60c.

**Empress.** Rich velvety crimson, dark foliage. Pkt. 10c.

**Gloria.** Rich deep rose pink. Pkt. 10c.

**Harmony.** Terra-cotta orange, shaded rose. Pkt. 10c.

**Silver Pink.** Pearly pink self. Pkt. 10c.

**Queen Victoria.** Pure white. Pkt. 10c.

## STOCKS

**Early Giant Imperial.** Plants about 2½ ft. and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from midsummer till frost. **Finest Mixed.** Pkt. 15c., ¼ oz. 50c.

**Ten Week Stocks.** Plants 18 in. high with fine spikes covered with lovely colored flowers. Pkt. 15c., ¼ oz. 40c.

## STRAWFLOWER, or EVERLASTING FLOWER

Much prized for durable bouquets and Winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place. **Giant-flowering, Mixed.** Pkt. 10c., ¼ oz. 20c.

## SUNFLOWER

(*Helianthus*)

**Dwarf Red.** Rich Chestnut red tipped yellow. 4 ft. Pkt. 10c., ½ oz. 15c.

**Stella.** Large golden yellow petals, small dark center. 4 ft. Pkt. 10c., ½ oz. 15c.

## SWEET SULTAN

(*Centaurea imperialis*)

Blooms of exquisite texture, possessing a delightful fragrance. The plants grow 2 ft. tall and bear a profusion of elegant, long-stemmed flowers. Our mixture includes all the lovely colors belonging to this type. **Finest Mixture.** Pkt. 10c., ¼ oz. 25c., ½ oz. 40c.

## SWEET WILLIAM. H.P.

(*Dianthus barbatus*)

These make wonderful border plants, with heads of bloom of great size and wonderful beauty. Our mixture combines many rich and beautiful colors.

**Single.** The fine rounded trusses 3 to 4 in. across of these sorts are composed of many fine disc-like flowers gayly colored and marked. **Mixed.** Pkt. 10c., ¼ oz. 20c.

**Double.** Quite similar in habit and form to the single type but the trusses are made up of many dainty double blossoms. Less showy than the single sorts but longer in flower. **Mixed.** Pkt. 10c., ¼ oz. 40c.

**Newport Pink.** Salmon pink. Pkt. 15c., ½ oz. 25c.

**Scarlet Beauty.** Deep scarlet. Pkt. 15c., ½ oz. 25c.



Sweet Wivelsfield

## SWEET WIVELSFIELD

**Annual Sweet William.** Sweet-scented. Its wealth of color and long blooming season makes it very desirable. Pkt. 10c., ½ oz. 20c.

## TORENIA

Compact, erect plants; 12 in. tall. Fine for beds, borders or window boxes.

**Fournieri.** Blue with yellow throat. Pkt. 15c., 1/16 oz. 40c.

## TRITOMA

(*Red Hot Poker*)

Tall spikes topped by narrow, tubular, pale yellow to orange-red flowers closely arranged in shingle-like fashion.

**New Hybrids.** Unusual colors—citron, yellow, orange, coral-red, etc. Pkt. 15c., ½ oz. 40c.

## TUNICA

**Saxifraga.** A pretty tufted plant with light pink flowers, produced all Summer. Useful either for the rockery or the border. Pkt. 15c.

## VALERIAN H.P.

(*Garden Heliotrope*)

Perennial border plants; large flowers having a fragrance resembling that of the Heliotrope. **Mixed.** Height, 2 to 3 feet. Pkt. 10c., ¼ oz. 25c.

## VENIDIUM

(*New African Daisy*)

**Fastuosum Hybrids.** Beautiful assortment of pastel shades—buff, lemon, cream, light orange, white and butter-yellow; each petal blotched at the base. Pkt. 15c., 1/16 oz. 25c.

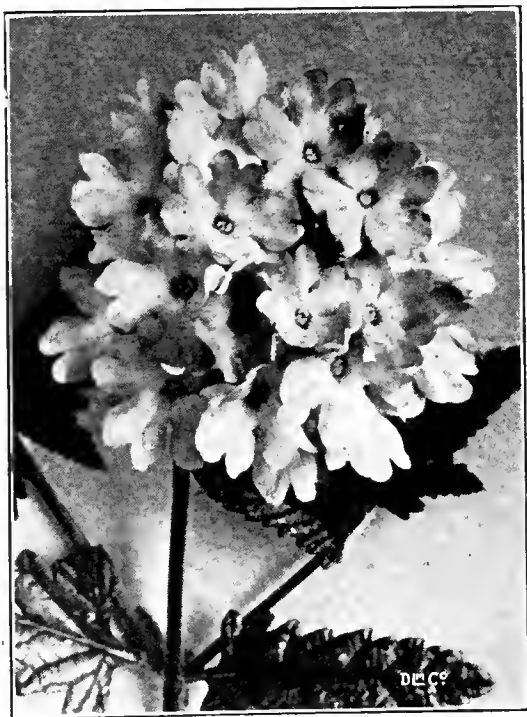
## VERBENA

An excellent annual for beds and massing and for a gorgeous display during the Summer months it cannot be excelled.

**Mammoth Mixed.** Pkt. 10c., ½ oz. 25c.

**Dwarf Mixed.** Pkt. 10c., 1/16 oz. 25c.

**Crimson Glow** (New). The flowers are pure, self-colored glowing Crimson, of good size, freely produced on plants which are semi-compact. Crimson Glow is a vivid Verbena and rounds out the color shades of the Verbenas. Pkt. 15c., 1/16 oz. 25c.



Verbena

## WILD[FLOWER GARDEN

This mixture is valuable for sowing in bare spots, along fences and on embankments and will convert many an unsightly spot into a place of beauty. Large pkt. 10c., ½ oz. 15c., oz. 25c., ¼ lb. 75c.

## ZINNIAS

### CROWN O' GOLD

**Desert Gold** (New). A bicolor Zinnia comprising the deep and lighter shades of gold, each petal overlaid at the base with a deeper golden yellow. The flowers are large, double, well formed on generous stems. Plant 3 ft. tall. Pkt. 15c., 1/16 oz. 25c.

### EARLY WONDER

**Gypsy** (New). A dwarf early bloomer, 30 to 40 days, free blooming, deep rich burnished orange, medium sized flowers on long wiry stems, a good cut-flower. Desirable variety. Pkt. 15c., 1/16 oz. 25c.

### FANTASY

**Fantasy Star Dust** (New). The shaggy ray-like petals are entirely different. A delicate graceful bloom of imposing appearance of a rich golden yellow. The plants are 2½ ft. and early blooming. Pkt. 15c., 1/16 oz. 25c.

**Fantasy** (New). A bright colorful mixture of shaggy petaled medium sized double flowers. Pkt. 10c., 1/16 oz. 25c.

**Fantasy Wildfire** (New). Rich, dazzling scarlet. Pkt. 25c.

**Scabious Flowered** (New). Plants 2½ ft. bearing numerous medium sized flowers. Resembles annual Scabiosa. **Mixed Colors.** Pkt. 15c., 1/16 oz. 25c.

### DOUBLE LILLIPUT OR POMPON ZINNIAS

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Makes a good line or bed and arc of more than usual value for cutting.

**Finest Mixed.** Pkt. 10c., ¼ oz. 30c.

### DOUBLE DAHLIA-FLOWERED ZINNIAS

Pkt. 10c., ½ oz. 25c., ¼ oz. 50c.

This type, in Zinnias, bears flowers of mammoth size and in form like a perfect decorative Dahlia.

**Exquisite.** Pale rose, deeper center.

**Purple Prince.** Fine deep purple.

**Crimson Monarch.** Largest and best red.

**Oriole.** Immense; orange and gold.

**Canary Bird.** Fine; large; primrose.

**Meteor.** Deep rich glowing red.

**Polar Bear.** The best large pure white.

**Dahlia-flowered Mixed**, from the varieties named above.

### CACTUS-FLOWERED ZINNIAS

**Mixed Colors.** Large, attractive double flowers 3 to 4 in. across, with petals partially quilled or tubular. Mostly warmer shades, such as salmon, deep rose, old rose, russet, and dark red. 3 ft. Pkt. 10c., ¼ oz. 35c.

### CUT-AND-COME-AGAIN ZINNIAS

**Mixed Colors.** A colorful blend of this popular bedding and cutting Zinnia. All of the above separate varieties are represented in proper proportion to make a most cheerful display. Pkt. 10c., ¼ oz. 25c.



## SPENCER, OR ORCHID-FLOWERED SWEET PEAS



Sweet Peas, Hercules

### SWEET PEAS

Are not injured by light frosts and may be planted as early in Spring as the condition of the soil will permit.

**Inoculate Sweet Pea Seed with Nod-o-gen. It Insures Germination and a Stronger Growth.**

### Summer Flowering Spencer Mixture Sweet Peas

Blended from only the Giant Waved Spencer varieties. We are sure this mixture will give absolute satisfaction. Large pkt. 10c., oz. 15c., 2 oz. 25c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50, postpaid.

**"Trial Grounds" Mixture.** Containing many varieties and colors. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

**Superb Spencer, Mixed.** Blended from only choice selected colors of the better varieties. Pkt. 10c., oz. 15c., 2 ozs. 25c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50, postpaid.

### Early Flowering Spencer Mixture Sweet Peas

This new class of early-flowering Spencer Sweet Peas is very popular with florists for greenhouse culture.

The flowers are of fine size on long stems. Grown in the open ground, they begin flowering fully four weeks sooner than the Summer-flowering Sweet Peas sown at same time.

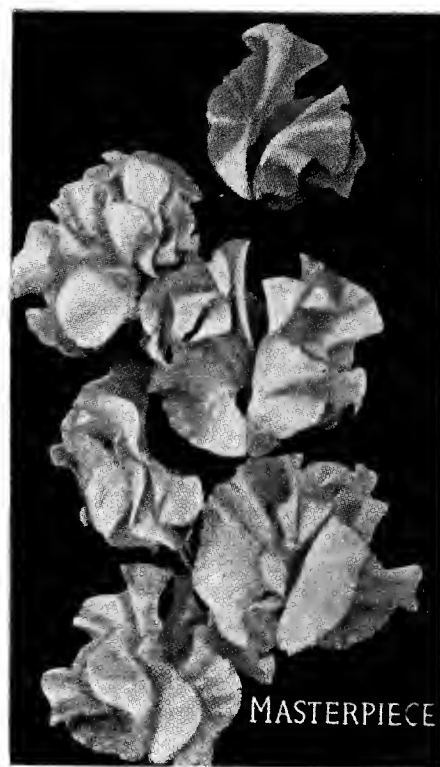
It is impossible to make a better blend of colors than this even at much higher prices. In quality unsurpassed and very popular with our customers. Pkt. 10c., oz. 20c., 2 ozs. 35c.,  $\frac{1}{4}$  lb. 60c.

**Hercules.** Clear deep pink.

**Masterpiece.** Lovely lavender.

**Red Boy.** Deep crimson.

**Avalanche.** Very large white. Oz. 25c.



Sweet Peas

### HARDY SWEET PEAS H.P.

Showy, free-flowering perennial. Blooms continuously from early Spring until Mid-summer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet. Soak seed overnight sow  $\frac{1}{2}$  inch deep. Pkt. 10c.,  $\frac{1}{4}$  oz. 15c.

## GLADIOLUS

### DISTINCT NAMED VARIETIES

The Glad Flower in all its glory. A selection of the better and distinct kinds of recent introduction.

**Apricot Glow.** Large early apricot pink.

**Betty Nuthall.** Light coral, with pale orange throat.

**Dr. Bennett.** Scarlet, throat striped with ruby and white.

**Early Melody.** Light lavender pink.

**Giant Nymph.** Rose pink, yellow throat.

**Gladdie Boy.** Deep salmon. Early, ruffled.

**Golden Eagle.** Clear yellow.

**King Arthur.** Deep lavender.

**La Paloma.** Orange.

**Londonberry.** Smoky orange.

**Mammoth White.** Very large, pure alabaster white.

**Mary Elizabeth.** Ruffled white with cream throat.

**Melody.** Lavender with yellow throat.

**Pfitzers Triumph.** Salmon-red with darker blotch.

**Picardy.** Sensational flesh pink immense spikes.

**Rapture.** Tall late salmon, creamy throat.

**Swaben Girl.** Pure pink, self color.

**Vredenburg.** New white. Large; fine.

**Yellow Perfection.** Pure deep yellow.

**Any of the above separate or in assortment 5c. each, 50c. per doz., \$4.00 per 100.**



Gladiolus, Golden Eagle

### POPULAR MIXTURE OF GLADIOLUS

Composed of high-grade varieties in mixture. A splendid lot of bulbs at very low prices. 6 for 15c., 30c. per doz., \$2.00 per 100.

### SEMESAN

Treat your GLADIOLUS BULBS with Semesan, to prevent rotting in cold soils, to control thrips and other corn-borne diseases.  $\frac{1}{3}$  oz. 10c., 2 oz. can 35c.

### Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips

Sprinkle the flakes among the bulbs, using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. The time of application may be either in the Fall, during the Winter or a week or two before planting in the Spring, and suggest sprinkling the flakes in trench when planting, covering the flakes 1 or 2 inches and planting the bulbs on top in the usual manner. Lb. 15c. (postpaid 25c.) 5 lbs. or more 12c. lb.

### TARTAR EMETIC

A treatment for the control of thrips on growing Gladiolus in the field. It does not injure the Gladiolus foliage as does Paris Green and Brown Sugar. Oz. 20c., lb. 79c.



Beet, Good For All

## RELIABLE LIST OF HIGH QUALITY VEGETABLE SEEDS

### ARTICHOKE

*One ounce will produce 500 plants*

Sow seeds early in Spring, and when large enough transplant into rows 4 feet apart and 2 feet apart in the rows.

**Large Green Globe.** This is a very delicious vegetable. Some prefer it cooked like Asparagus — that is, take the flower head before it begins to open and cook much the same as Asparagus. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.40.

### ASPARAGUS ROOTS

*100 Roots for a Row of 150 Feet*

**Mary Washington** (Green Type). 2-yr.-old. 25 for 60c., 50 for \$1.00, 100 for \$1.75, 1000 for \$13.00.

### ASPARAGUS SEED

*One ounce will produce about 200 plants*

**Mary Washington.** This is the finest of the Washington strains to be had. It produces large thick shoots of attractive appearance maturing slightly earlier than the original strain. The tips are compact and of rich purplish green color. The entire stalk from base to tip is remarkably tender. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

### BEETS

*One ounce will sow 50 feet of drill*

For early use sow as soon as the ground can be worked in a rich, light soil, which has been well manured, in drills 1 foot apart and 2 inches deep. For main crops sow in May, and for Winter use, in June. When the plants are well forward, thin out to about 6 inches.

**Prices of beet seed are as follows unless otherwise noted: pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.**

**Crosby's Egyptian.** An improved strain of Egyptian Beet. Rich dark red, crisp and tender. An excellent early sort.

**Detroit Dark Red.** Color dark blood-red; medium size; very tender; good for early or late sowing.

**Early Model.** An exceptionally fine early Beet of medium size, uniform shape and deep crimson color.

**Early Wonder.** A popular early variety. Very uniform, nearly globe-shaped, skin dark red, flesh deep blood red. Recommended for both early and late planting.

**Good For All Beet.** 52 to 55 days. Sometimes called "Rose Bud" or "Baby" Beet. Especially fine for canning and pickling whole at  $1\frac{1}{4}$  to  $1\frac{1}{2}$  in. in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones.

### BEET—MANGEL WURZEL

The following varieties are grown for feeding cattle and stock. Sow in April or May, 6 to 8 lbs. per acre, in rows 2 ft. apart, thin out to 6 inches in the row.

**Giant Half Sugar Rose Top.** Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Golden Tankard.** Heavy cropper; easily harvested. Roots large, thick oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

**Mammoth Long Red.** This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red Mangel and very valuable for stock feeding. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 50c.

### Our Policy

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**Market Gardeners and Dealers ask for prices**

## BEANS DWARF OR BUSH

60 lbs. to a bushel, 1 lb. will plant 60 ft. of drill;  
60 lbs. will seed an acre

A succession of sowings can be made from the first week in May until the middle of August. Plant in drills about 2 inches deep and from 15 inches to 3 feet apart. The plants should be about 3 inches apart.

**These prices on Beans are subject to change without notice**

*The number of days following each variety signify maturity periods*



Beans, Bountiful

**Prices of Green Pod and Wax Beans unless otherwise noted are as follows: pkts. 10c., 1/2 lb. 15c., lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2.00.**

### GREEN POD VARIETIES

**Burpee's Stringless Green-Pod.** (53 days.) The medium green, meaty, fine-quality, round, pointed pods are 6 in. long. Popular for home-gardens and canning.

**Bountiful Stringless.** (53 days.) The most popular green-podded Bean. The pods are long, flat, slightly curved and absolutely stringless. An early variety it matures in about 53 days.

**Dwarf Horticultural.** (54 days.) A grand shell Bean, and very productive; pods flat.

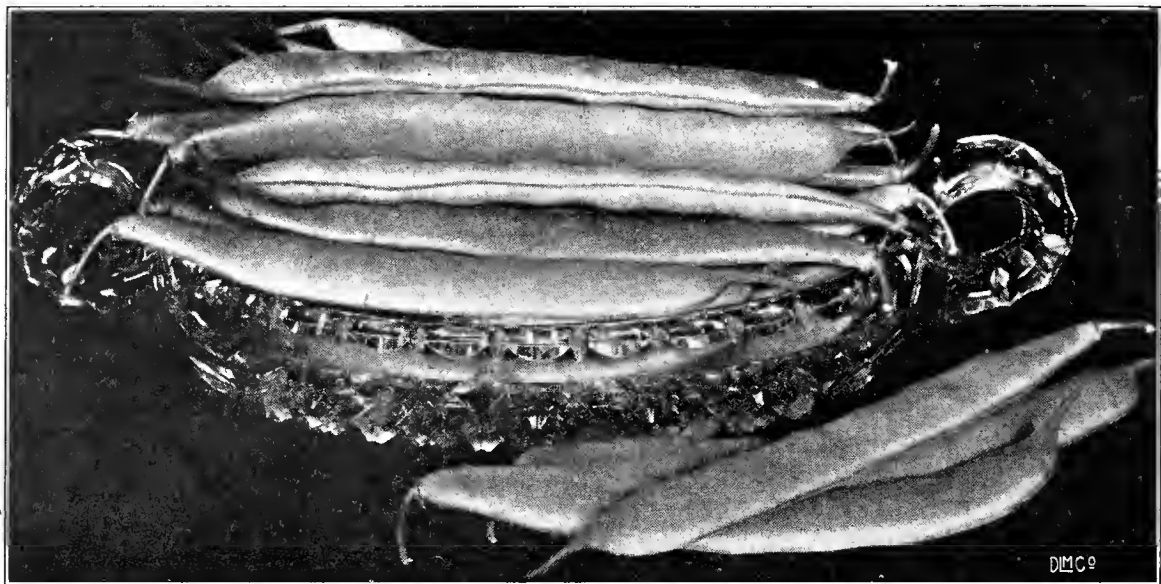
**Earliest Red Valentine.** (52 days.) Pods round, thick, very tender.

**Giant Stringless Green Pod.** (54 days.) The best long, rounded-podded strain, tender and prolific.

**Plentiful, Black Seed.** (50 days.) A new variety similar to Bountiful but superior in several ways. Pods are flat, longer, slightly thicker, darker green, more tender and notably better in flavor. In season, is two or three days earlier than Bountiful, furnishing the first picking in about 50 days.

**Tendergreen.** (54 days.) A newer green podded Bean of unusual merit. The pods are long, light green in color, round and absolutely stringless. It yields a heavy crop and matures in 6 weeks.

**Broad Windsor Long Pod.** (Also known as Fava Bean and as Horse Bean; not a Kidney Bean) Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 in. long, 1 1/4 in. broad, stout; 3 seeded; smooth. Green shell beans large, broad, flat, light green. Dry seeds very large, circular, flat, pale reddish-brown with black eye.



Beans, Unrivalled Wax

### YELLOW-PODDED VARIETIES

**Bountiful Wax, or Surecrop Wax.** (55 days.) Pods golden yellow, thick flat, brittle, strictly stringless and of fine quality.

**Improved Golden Wax** (Top Notch). (50 days.) A flat-podded sort, having become everywhere popular because of its showy pods.

**Pencil Pod Black Seed Wax.** (57 days.) Pods are long, straight, round like a pencil; fleshy, of a bright yellow color, tender, brittle and absolutely stringless; very productive.

**Round Pod Kidney Wax, or Brittle Wax.** (54 days.) Pods medium yellow, round, slightly curved, deeply creasebacked, extremely brittle, fleshy and absolutely stringless.

**Unrivalled Wax.** (55 days.) Both plant and pod are free from rust and blight. Pods semi-flat but fleshy; brittle, stringless and tender.



Beans, Tendergreen

### FIELD BEANS—Dwarf or Bush GREEN PODDED

**Prices on Field Beans as follows: 1/2 lb. 10c., lb. 15c., 5 lbs. 70c., 10 lbs. \$1.25.**

**Large White Marrow.** Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; very vigorous and productive. Pods 5 1/2 in. long. Dry beans medium large, white.

**Robust Pea Bean.** An improved strain of Marrow Pea Beans which resists the Mosaic disease that is often very destructive. The beans are small, round and pure white, and of good quality.

**Red Kidney.** Large red, kidney shaped beans. Yields heavily on strong land. Considered one of the most profitable beans to raise for market.

**White Kidney.** Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; hardy, heavily productive. Pods 6-6 1/2 in. long. Beans long kidney shape; white.

**Yellow Eye.** Medium size white beans with yellow spot or "eye." It produces large crops and matures early and is less subject to the diseases which often attack other kinds.

### BEANS—POLE, or RUNNING

They succeed best in sandy loam, in hills, from 3 to 4 feet apart; from 5 to 6 seeds are planted in each hill, about 2 inches deep.

**Prices of Pole Beans are as follows: pkts. 10c., 1/2 lb. 15c., lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2.00.**

**Early Golden Cluster Pole Wax.** (75 days.) The pods are from 6 to 8 in. long and are borne in clusters of from three to six. The pods are of a beautiful golden color. Can be used either shelled or as a string Bean.

**Horticultural Pole.** (70 days.) Pods 5 to 6 in. long, straight, flat, stringless and of good quality; color, dark green splashed with bright red.

**Kentucky Wonder Wax.** (68 days.) Pods waxy yellow, flat, meaty and is the most popular wax-podded variety.

**Lazy Wife.** Splendid long, thick green pods, with white Beans. A late variety.

**Old Homestead or Kentucky Wonder.** (68 days.) Very early and productive, long green pods, hanging in clusters, are stringless and tender.



## BEANS—BUSH LIMA

*One quart will plant 100 feet of drill*

Limas should not be planted until warm weather sets in. About May 15th. Plant in light, rich soil, in drills 2 feet apart, dropping the seeds in rows about 3 inches apart and cover 2 inches.

**Prices on Limas unless otherwise noted are as follows:** Pkt. 10c.,  $\frac{1}{2}$  lb. 15c., lb. 30c., 5 lbs. \$1.25, 10 lbs. \$2.25.

**Baby Potato** (Silver Medal 1940). Early, prolific, thick-seeded, small white or cream Lima. Plant more vigorous and larger podded than Henderson Bush Lima; average over 3 beans per pod, of superior flavor and bright green at fresh eating stage. All-purpose variety.

**Fordhook.** The only stiffly erect bush form of the well-known and popular Potato Lima. "Fordhook" has proved to be the best Bush Lima ever offered.

**Improved Burpee's.** A bush form of the large white Pole Lima with large, flat beans; very productive and of excellent quality.

## BEANS—POLE LIMA

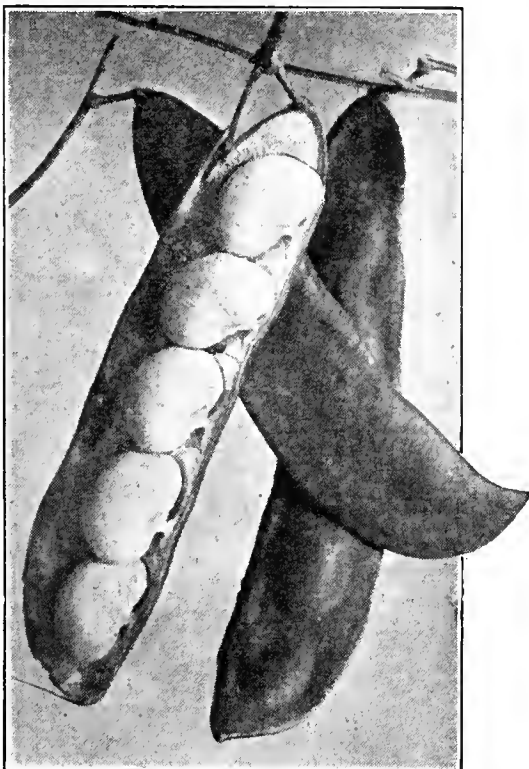
These require poles 8 to 10 feet long. Plant in hills 3 to 4 feet apart each way. They are more sensitive to cold than the string Beans, and should not be planted before the middle of May.

*One pound will plant 75 to 100 hills*

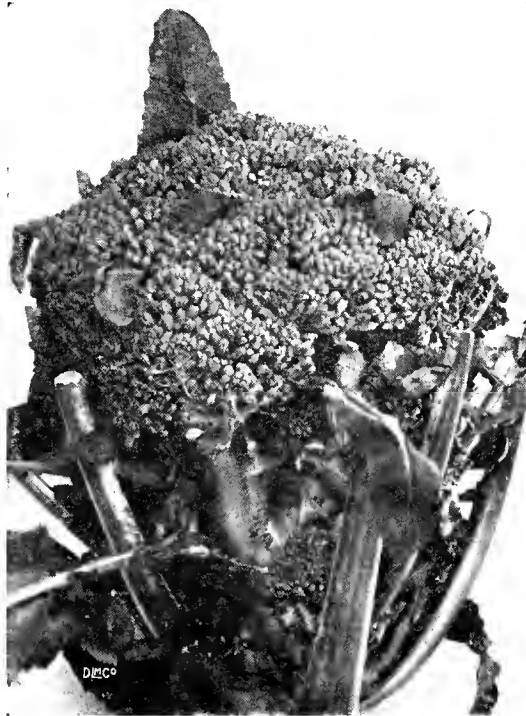
**Pkt. 10c.,  $\frac{1}{2}$  lb. 15c., 1 lb. 25c., 5 lbs. \$1.15, 10 lbs. \$2.00**

**King of the Garden.** (88 days.) The best-known and most popular. Its flat, curved pods are 6 to 7 inches long and contain 3 to 5 large, tender, flat Beans. Very productive.

**Seibert's Early Lima.** (80 days.) Early and dependably productive for home, market garden, and for canning. Pods 5 inches long,  $1\frac{1}{8}$  inches wide,  $\frac{3}{8}$  inch thick. Seeds large, thick; white.



Beans, King of the Garden



Broccoli, Italian Green Calabrese

## BROCCOLI

**Italian Green Calabrese.** A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed, the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 in. of the stem. Both stems and heads are cooked and served like cauliflower. For July crop, sow the seed in a hotbed in March or April, and for Fall crop, in the open ground in May. Ready for use in about 90 days. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.



Brussels Sprouts, Long Island Imp.

## BRUSSELS SPROUTS

Seed may be sown either in the frame or in open ground. Set plants in rows 3 feet apart, 18 inches apart in the row. Break leaves from stem to promote better growth of heads. Avoid too rich a soil. They mature in about 145 days.

*One packet will produce about 75 plants*

**Long Island Improved.** An American variety grown for American conditions. This strain will produce dense clusters of sprouts of good size and exceptional quality. Sure to mature before frost. Pkts. 5 and 10c., 1 oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

## CHICORY

**Witloof, or French Endive.** The stalks when blanched are used for salad. Pkt. 10c., oz. 25c.



Chicory, Witloof

## COLLARDS

**Georgia Southern or Creole.** Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 ft. tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkts. 5 and 10c., 1 oz. 20c.

## CORN SALAD, or FETTICUS

*One ounce will sow 150 feet of drill*

**Large-seeded.** The most popular variety grown. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

## CRESS, or PEPPERGRASS

*One ounce will sow 150 feet of drill*

**Upland, or Broadleaved Winter.** A garden substitute for Watercress; crisp, tender and perfectly hardy. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**True Water Cress.** Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

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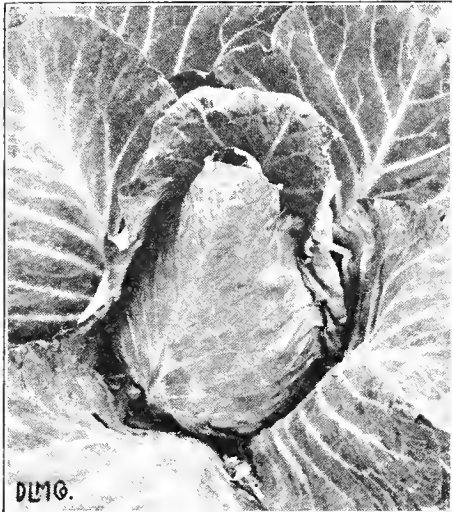
We invite comparison.

## CABBAGE

1 oz. will sow 100 ft. of drill and produce about 2000 plants

The early varieties of Cabbage are cultivated more extensively than any other vegetable. They must either be sown in hotbeds in February, or wintered over in coldframes.

The plants are usually set out from the middle of March to the middle of April, in rows about 2 feet apart and 18 inches between the plants in rows. Late varieties are usually sown in the early part of May and the plants are set out in July.



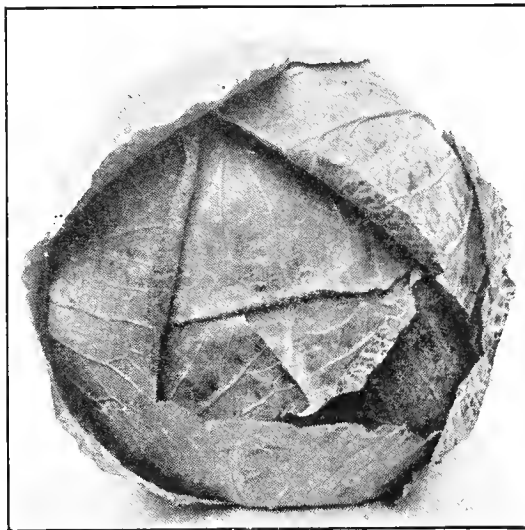
Cabbage, Early Jersey Wakefield

### EARLY CABBAGE

**Copenhagen Market.** (\*68 days.) Uniform round heads, 6½ in. in diameter, weighing 4 lbs., with crisp leaves. Good for early kraut. A short-stemmed variety with few outer leaves. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

**Early Jersey Wakefield.** (\*62 days.) Our seed produces pointed heads 5 in. in diameter, about 7 in. long, weighing 2½ lbs. The most popular early variety. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Golden Acre.** (\*62 days.) The earliest round-headed Cabbage. Similar to Copenhagen Market, only earlier and a little smaller. Heads 6 in. in diameter; weight 3 lbs. Pkt. 10c., oz. 30c., ¼ lb. \$1.00; lb. \$3.50.



Cabbage, Penn State Ball Head

### INTERMEDIATE VARIETIES

**All-Seasons.** (\*88 days.) Heads flat, 9 to 10 in. in diameter; weight 9 lbs. A good variety, thriving even in hot, dry weather. Popular for kraut. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Early Dwarf Flat Dutch.** (\*78 days.) A very early and fine-quality flat Cabbage with heads 9 in. in diameter and weighing 6½ lbs. Very good for kraut. Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Glory of Enkhuizen.** (73 to 80 days.) Particularly valuable for kraut. Heads very large; globular; 8-9 in. in diameter; firm; commonly weigh 8 to 10 lbs. Pkts. 5 and 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Marion Market** (Yellow Resistant). (75 days.) This development of Copenhagen Market has larger and firmer heads, making it excellent for kraut. Heads 7 in. in diameter; weight 4 lbs. Pkt. 10c., oz. 30c., ¼ lb. \$1.00, lb. \$3.25.

**Early Winnigstadt.** (77 days.) Very hardy and dependable. Heads extremely firm; heart-shaped; become 8 to 10 in. long and 6 to 7 inches thick near base, and weigh 5 lbs. Pkts. 5 and 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Dust your seed with Semesan before planting**

### AUTUMN AND WINTER CABBAGE

**Danish Ball Head Short Stem.** (83 days.) Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 in. across, 6-7 in. deep and weigh 7 to 9 lbs. Pkt. 10c., oz. 30c., ¼ lb. 75c., lb. \$2.50.

**Hollander.** (100 days.) A high class cabbage of the Ball Head type. Plants medium small, allowing closer planting than any other late cabbage; short stemmed; erect and compact; extremely hardy. Pkt. 10c., oz. 40c., ¼ lb. \$1.20, lb. \$4.00.

**Mammoth Rock Red.** (90 days.) The best red cabbage; splendid Winter keeper. Heads round to slightly flattened globe shape. Pkts. 5 and 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

**Penn State Ball Head** (Original Strain). Penn State Ball Head shows records of over 20 tons per acre. This extra tonnage, combined with fewer cracked heads and better storage quality placed Penn State Ball Head in a class of its own. Pkt. 10c., oz. 30c., ¼ lb. 90c., ½ lb. \$1.75, lb. \$3.00.

**Premium Late Flat Dutch.** (105 days.) The best very large, late cabbage; popular for home and market garden and for Fall shipment; a good keeper. Heads very large and flat, but deep; become 12-14 in. across, 7 in. deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkts. 5 and 10c., oz. 25c., ¼ lb. 75c., lb. \$2.25.

**Savoy, Chieftain.** The well-formed, firm heads are medium in size. It is earlier than most other varieties of Savoy Cabbage. If you are fond of the crispness and mild flavor of this type of cabbage, you will find Chieftain outstanding in uniformity and quality. Pkt. 10c., oz. 50c.

**Wisconsin No. 8** ("Yellows" Resistant). (105 days.) Splendid, late cabbage for storage, shipment and kraut manufacture. The heads are large, globular to flattened globe shape, very firm; weigh 7 to 9 lbs., of excellent quality. Pkts. 5 and 10c., oz. 25c., ¼ lb. 85c., lb. \$2.50.

### CHINESE CABBAGE

**Chihli.** Early and very sure heading. Head becomes 18-20 in. tall, 3½-4 in. thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkts. 5 and 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

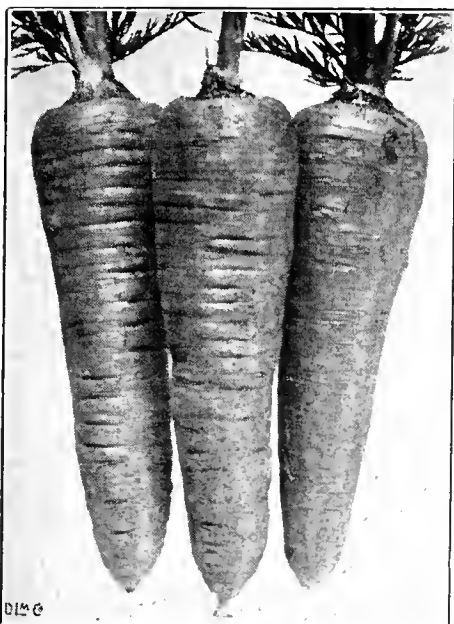


Cabbage, Early Dwarf Flat Dutch



Cabbage, Wisconsin No. 8





Carrots, Danvers Improved Half Long

## CARROTS

Carrots thrive best in a rather light rich loam. The ground should be well manured with fine, well-rotted or composted manure, and be thoroughly worked quite deep. Sow from middle of April to middle of May,  $\frac{1}{2}$  inch deep, in rows 14 inches apart, and thin the plants to stand 5 to 6 inches apart in the row. For late crops, sow in June or July. An important point is to tread the rows firmly after sowing. For field-culture, Carrots should be sown in drills 3 to 3 $\frac{1}{2}$  feet apart, so as to allow horse-cultivation.

**The price of Carrots unless otherwise noted: pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.25.**

**Danvers Improved Half Long.** A favorite sort, slightly longer than Chantenay, tapering to a blunt end.

**Guerande, or Oxheart.** Stump-rooted, especially adapted to shallow soil.

**Half-long Scarlet Nantes** (Stump rooted). Intermediate, about 7 in. long, 1 $\frac{1}{2}$  in. thick.

**Imperator.** A little longer than Danvers, but having the high table quality of the short rooted varieties. Color, deep solid orange all through.

**Morse's New Bunching.** (72 days.) Gold Medal. Cylindrical, half-long earrot, of ideal size and shape for bunching. Color is a fine deep orange throughout with a small, indistinct core. Tops are short, rather bushy and strong but not coarse at the neck. Quality is fine and flesh is tender and sweet. This was developed as a bunching carrot for market and long distance shipping and makes a splendid appearance. It is equally as desirable in the home garden, just the right size and shape that appeals. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Red Colored Chantenay.** The color is a rich orange, decidedly deeper than the ordinary Chantenay. The cores are small. The roots grow about 5 $\frac{1}{2}$  to 6 in. long and 2 to 2 $\frac{1}{2}$  in. in diameter, having a very small rat tail, and run very uniform in size and appearance.

**Touchon Carrot.** Same general type as Nantes. Does, however, produce slightly longer and more slender roots than Nantes. It also has somewhat larger and stronger tops.

**White Belgian.** Flesh white and coarse. Desirable for stock feeding.

## CELERY

*One ounce will produce 3,000 plants*

Sow seed early in April, in an open border, in good, rich soil, in drills 8 inches apart. Early in July transplant to trenches 3 feet apart and 6 inches apart in the rows. The beds should be kept well weeded and an occasional soaking with water in dry weather will do the plants good.

**Emperor or Fordhook.** (130 days.) A fine keeping Celery for Fall and Winter use. Of compact growth averaging 18 in. in height, with unusually thick white stalks and a pale yellow heart. Very crisp and brittle, never showing any signs of strings. Famous for its delightful nutty flavor. Pkts. 5 and 10c., oz. 40c., 2 ozs. 70c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.

**Giant Pascal** (Green). Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkts. 5 and 10c., oz. 35c., 2 ozs. 50c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Golden Plume or Wonderful.** This variety of celery resembles Golden Self Blanching but is much larger and ranker in growth, blanches more quickly, matures earlier and is of the finest table quality. Pkts. 5 and 10c., oz. 80c., 2 ozs. \$1.50,  $\frac{1}{4}$  lb. \$2.75.

**Golden Pascal.** Combines the quality and weight of green celery with the earlier maturity and blanching of the yellow varieties. Height under varying conditions 22 to 30 in. Stems straight, moderately broad, extremely thick and smooth and comparatively free of fibre. Slightly later than standard yellow varieties, but adapted to the same culture. Pkt. 10c., 1 oz. \$2.00.

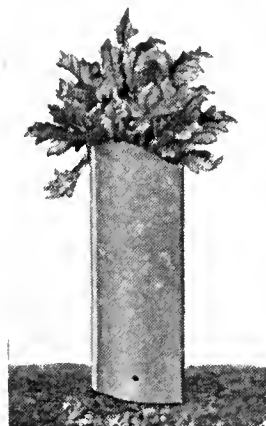
### PLANT IN SUCCESSION MAKE YOUR GARDEN WORK SPRING, SUMMER AND FALL

**Golden Self Blanching, French Grown.** Rich golden yellow; crisp, tender and of fine flavor. Pkt. 10c., oz. 80c.

**Morse's Masterpiece** (New). (1939 Introduction). Morse's Masterpiece matures in 80 to 90 days from date of setting plants and is as early as most of the self-blanching strains now in use. It is very crisp and fleshy and has that rich nutty flavor so highly prized. Pkt. 10c., oz. \$2.00.

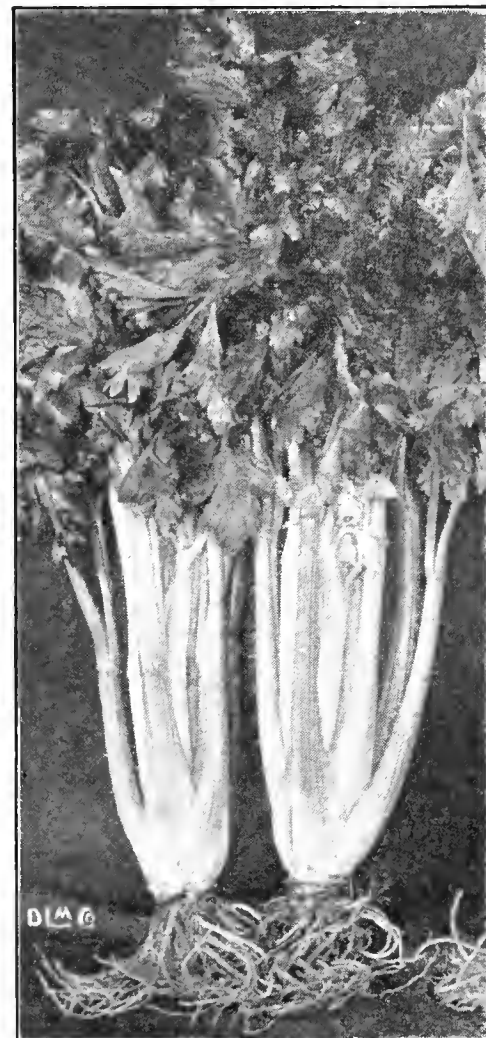
**Utah or Golden Crisp.** An excellent green Celery for Fall use or Winter storing. Matures about 5 days earlier than Giant Pascal. Plants are compact, stalks broad and thick, exceptionally solid, and when blanched are pure white, crisp, and of delicious nutty flavor. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c., 4 ozs. \$2.25.

**Winter Queen.** A late variety of medium height, with thick, solid stalks which blanch a creamy white color and keep well. Pkt. 10c., oz. 35c.



## CELERY BLEACHER

The ideal bleaching method, convenient, efficient, economical and satisfactory. Takes but a few seconds to apply with B. B. Handler and can be used repeatedly. Doz. 20c., 100 \$1.25.



Celery, Giant Pascal

## CAULIFLOWER

For early crop sow in hot-bed in January or February and transplant as soon as frost danger is past. For late crop, sow in May or June. Set plants 18 inches apart and in rows 2 feet apart. To control root-rot and yellows after plants are up, treat soil with solution of bichloride of mercury, 8 ounces to 50 gallons of water.

*One packet will produce about 100 plants*

**Danish Dry Weather.** Stands poor conditions better than any other strain. The heads are large, very solid, pure white and of good flavor. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.75.

**Early Snowball.** This is an extra fancy Danish grown seed producing an early maturing strain of the short-leaved type. Adapted for forcing or for the garden. Pkt. 15c.,  $\frac{1}{4}$  oz. 50c., oz. \$1.75.

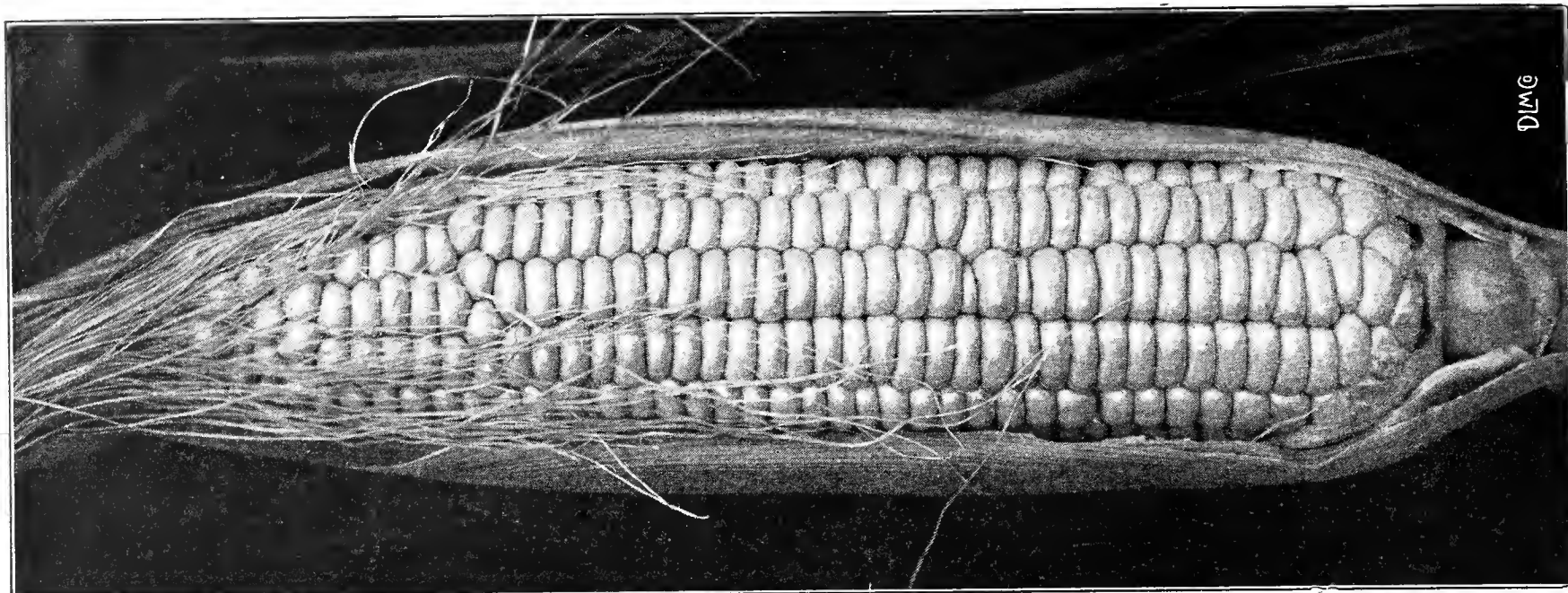
**Snowdrift.** A new, early variety which makes a larger head than Snowball. The head has unusual depth, is of fine texture, and blanches very easily. Pkt. 25c.,  $\frac{1}{4}$  oz. 60c.,  $\frac{1}{2}$  oz. \$1.10, oz. \$2.00.

**Super Snowball.** The finest, earliest Cauliflower grown. Given good soil, this strain will bear and be finished before any other variety is ready to use. The heads are large and leaves curl over the heads for sun protection. Pkt. 25c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.25.

## CELERIAC Or TURNIP-ROOTED CELERY

Grown mostly for its bulbous roots, which may be stored like Beets for Winter use.

**Giant Prague.** The finest variety. Very large roots which are almost round. Pkt. 10c., oz. 20c., 2 ozs. 35c.,  $\frac{1}{4}$  lb. 65c.



Corn, Golden Cross

## SWEET CORN

### —GOLDEN YELLOW SWEET CORNS OF SPECIAL MERIT—

Seeds may be planted either in rows or hills. If planted in rows, they should be spaced from  $2\frac{1}{2}$  to 4 feet apart, depending on the height of the variety; seeds should be dropped at the rate of 1 or 2 to the foot, and covered about 2 inches deep. If planting in hills, drop 5 to 6 seeds per hill and space the hills 3 feet apart each way. When plants are 4 to 5 inches tall, thin out 8 to 12 inches apart and keep well hoed until the ears are set.

#### Ask for quantity prices

**Price on Hybrid Corn as follows:**  
Pkt. 10c.,  $\frac{1}{2}$  lb. 20c., lb. 35c., 5 lbs. \$1.75

#### YELLOW HYBRIDS

**Early Bancross.** This topcrossed Bantam is produced from an especially selected, large eared strain of 8-rowed Golden Bantam. It produces 8-14 rowed, cylindrical ears of good quality and color, and matures 3-4 days earlier than other available stocks of topcrossed Bantam. It carries a high resistance to bacterial wilt.

**Earligold.** One of the newest hybrids, developed for critical market gardeners who want earliness, ear size, wilt-tolerance and improved quality in a first early yellow hybrid. Earligold matures in 72 to 75 days, which is in season with Golden Early Market. It produces 12-16 rowed ears, slightly tapering, well filled and  $6\frac{1}{2}$  to 7 in. long. Uniformity is one of its merits. The plants are sturdy, 5 to  $5\frac{1}{2}$  ft. tall, with few suckers.

**Golden Cross Bantam.** (88 days.) Highly resistant to Stewart's disease and very prolific. Stalks sturdy with exceptionally broad, dark green leaves. Ears 10 to 14 rowed,  $7\frac{1}{2}$  to 8 in. long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. Excellent for market gardeners.

**Marcross 613.** This is one of the earliest hybrids recommended, being a cross between a Golden Early Market inbred and a Whipple's Early inbred. The inbreds and crosses were made originally by the Connecticut Agricultural Experiment Station and the hybrid is recommended by them. Matures from 72 to 76 days from date of planting. The ears are  $7\frac{1}{2}$  to 8 in. long.

**Sencross.** (80 days.) Sencross really needs no introduction, as it has been giving fine results for several years. This hybrid is a yellow top cross producing ears of 12-16 rows, and from 7-9 in. long. Highly resistant to Stewart's disease or wilt, it is also very uniform and noted for its high yields and fine color.

**Price on open Pollinated Corn as follows:**  
Pkt. 10c.,  $\frac{1}{2}$  lb. 15c., lb. 25c., 6 lbs. \$1.20

**Barden's Wonder Bantam.** (82 days.) 8 rowed, with the matchless sweetness and color of the old reliable Golden Bantam, but the ears are larger.

**Black Mexican.** (88 days.) Plants  $6\frac{1}{2}$  ft. tall. Ears 8 to 9 in. long; 8 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe.

**Golden Bantam.** (80 days.) Plants dwarf;  $4\frac{1}{2}$  to 5 ft. tall; very productive, commonly bearing 2 ears. Ears 6 to 7 in. long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor.

**Golden Early Market.** (75 days.) Earliest, large, true Sweet Corn of golden color. The ear is larger than Golden Sunshine and 10 days earlier than Golden Bantam. It is the outstanding early yellow Sweet Corn of highest quality.

**Golden or Bantam Evergreen.** (89 days.) A cross between Golden Bantam and Stowell's Evergreen. Ears 7 to 8 in. long, with 12 to 14 rows of large yellow kernels which are of fine quality. Matures later than Whipple's Yellow.

**Golden Sunshine.** (76 days.) An earlier Golden Bantam. A yellow early, high quality sweet corn ready for market ten days earlier than Golden Bantam. The ears are  $6\frac{1}{2}$  in. long. 12 rows of broad yellow sweet grains. It is especially desirable for its extreme earliness.

**Whipple's Early Yellow.** (84 days.) Deservedly popular as a large eared second early sort, for home and market garden. Stalks sturdy and erect; ears 12 to 14 rowed, strong husks, well filled at tips. Kernels golden yellow, fairly deep, sweet, and of good flavor.

**Protect Your Corn Plantings  
with  
STANLEY'S CROW REPELLENT**



Corn, Early Bancross



## FINEST WHITE SWEET CORN

Pkt.....	\$0.10
½ lb.,.....	.15
lb.....	.25
6 lbs.....	1.20

**Country Gentleman.** (93 days.) Valuable for home, market garden and especially for canning. Plants 6½ to 7 ft. tall, commonly with 2 or more ears. Ears 7½ to 9 in. long, 2 in. thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep, sweet and tender.

**Early Evergreen.** (90 days.) Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen. Plants 6½ to 7 ft. tall. Ears about 7½ in. long, 2½ in. thick with 14 to 20 rows of very deep, white, sweet, tender kernels.

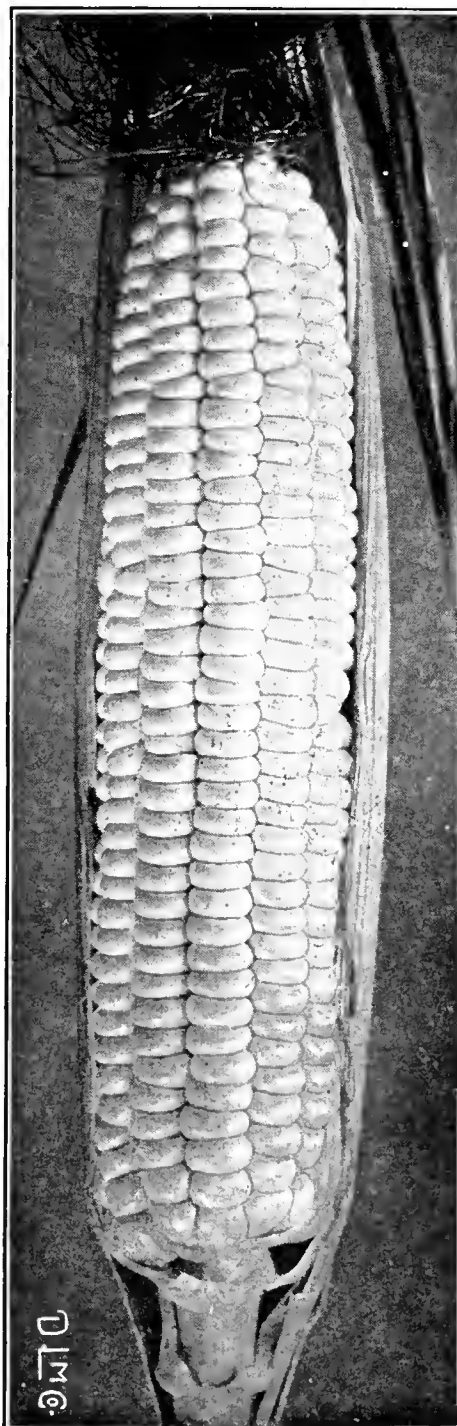
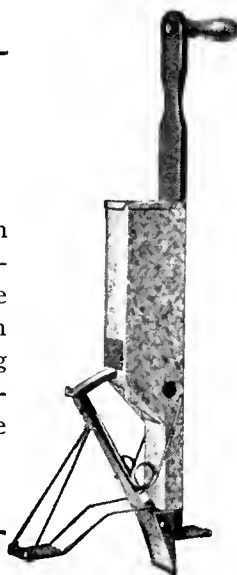
**Gill's Early White Market.** The earliest Sweet Corn. By planting this variety, you can enjoy good fresh Sweet Corn a week to ten days earlier than you otherwise would. Many ears measure 8 in. long and have 12 to 14 rows of pure white kernels. The quality of the Corn is excellent for so early a variety.

**Howling Mob.** (85 days.) A large-eared, early Sweet Corn generally producing two good ears to a stalk, averaging 7 to 9 in. long, with 12 to 14 rows of pearly white grains. The stalks grow 4 to 5 ft. high. An excellent home or market sort. Always dependable.

**Stowell's Evergreen.** (95 days.) Standard late variety very valuable for canning and much grown for market. Plants 7 to 7½ ft. tall. Ears 8 in. long; 2¼ to 2½ in. thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time.

## ACME CORN PLANTER

This segment Corn planter is of a very popular pattern, adjustable gauge and seed drop. Can also be used for planting Peas and Beans. Operation automatic, accurate and easy. \$2.25.



Sweet Corn, Early Evergreen

## CHIVES

(*Allium Schoenoprasum*)

Small perennial of the onion family; readily propagated from seeds; leaves used in salads and for flavoring soups and stews; flowering plant is decorative. Pkts. 5 and 10c., ¼ oz. oz. 25c., oz. 70c.

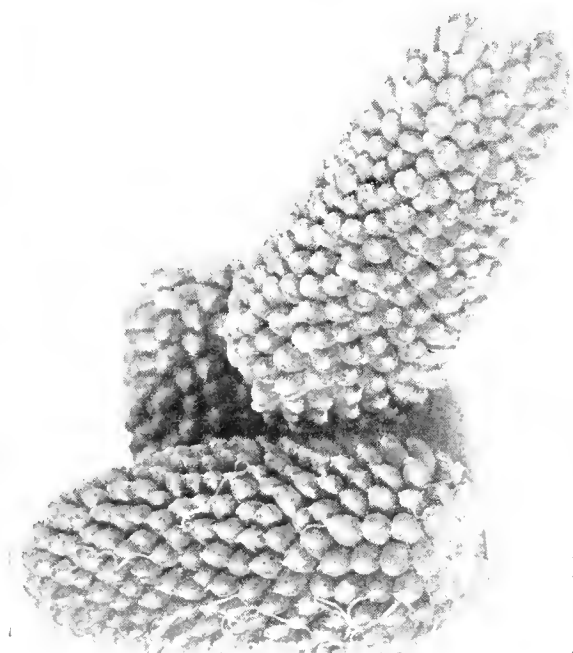
## POP CORN, SHELLED

¼ lb. 10c., ½ lb. 15c., lb. 25c.

**Golden Queen.** (115 days.) A productive variety with quite large, golden yellow kernels which pop into large, pure white, fluffy flakes. It is the standard variety for popping. Stalk 6½ to 7 ft. high. Ears 5 to 7 in. long.

**Japanese Hulless.** Plants 5 ft. tall. The ears are short and thick. The kernels are small, nearly white color and much the shape of White Rice. They pop readily and the popped corn is very tender and of the finest quality. Very early variety. Large and snow-white when popped.

**South American Yellow.** Known under various names, Dynamite, Yellow Giant, etc. It is the most profitable variety to grow, the ears are large, 7 to 9 in. long, of golden yellow color, producing more bushels per acre. Our seed is of South American origin. Matures early in Pennsylvania.



Pop Corn, Japanese Hulless

## CHERVIL

The Curled Chervil is cultivated like Parsley and used for garnishing and flavoring soups and salads.

**Curled Chervil.** The young leaves are used for flavoring soups and salads. Pkt. 10c., oz. 30c.

## Include with your Seed Order CUPROCID

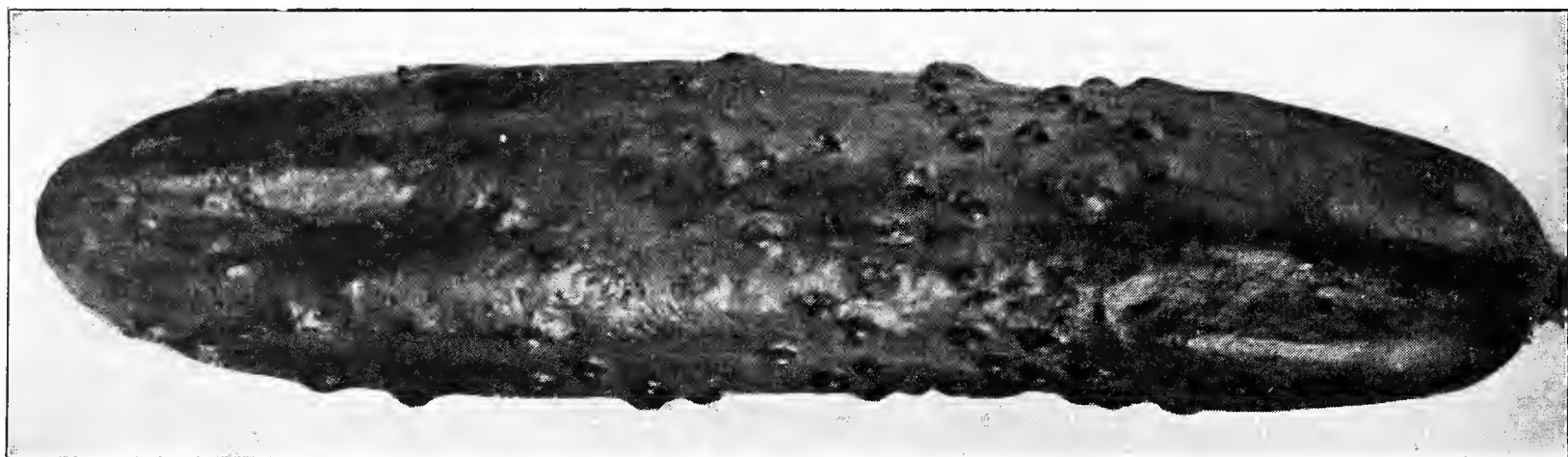
Only proper protection of the seed before planting can safeguard against attacks by fungous diseases termed "Damping-Off."

4 ozs. 35c., lb. can 90c.

## SEEDS OF CULINARY, FRAGRANT AND MEDICINAL HERBS

The increasing popularity of Herb Gardening within the past five years has brought into prominence many herbs that have not been cultivated for years. The keenest enjoyment as well as the greatest usefulness obtained from growing herbs is in the establishment of a complete herb garden so that the many culinary seasonings, medicinal preparations and various perfumes may be prepared in detail.

	Pkt.	Oz.		Pkt.	Oz.
<b>Anise.</b> Aromatic seeds.....	\$0.10	\$0.30	<b>Fennel, Sweet.</b> .....	\$0.10	\$0.30
<b>Basil, Sweet.</b> .....	.10	.40	<b>Lavender.</b> Fragrant.....	.10	.45
<b>Borage.</b> For flavoring.....	.10	.30	<b>Marjoram, Sweet.</b> .....	.10	.50
<b>Caraway.</b> For flavoring.....	.10	.25	<b>Rosemary.</b> .....	.10	.50
<b>Chervil.</b> .....	.10	.30	<b>Sage.</b> Culinary value.....	.10	.30
<b>Chives.</b> Fine for flavoring.....	.10	.70	<b>Savory, Summer.</b> .....	.10	.30
<b>Coriander.</b> Aromatic.....	.10	.25	<b>Thyme.</b> For seasoning.....	.10	.50
<b>Cress, Curled, or Peppergrass.</b>	.10	.15	<b>Watercress.</b> .....	.10	.35
<b>Dill.</b> Used in vinegar.....	.10	.15			



Cucumber, Straight 8

## CUCUMBERS

For very early Cucumbers, sow April 1 in a hotbed on pieces of sod (grass side down), so that they can be transplanted to the open ground in rich soil when danger of frost is over. The vines require a warm location for early Cucumbers. Plant after the ground has become warm,  $\frac{1}{2}$  inch deep, in hills 4 feet apart for the smaller varieties and 5 feet for the larger sorts. For pickling, sow from middle of June to last of July. Manure with wood-ashes, fertilizer, or some well-rotted compost, working the manure just under the surface. Sow 1 ounce of seed to 50 hills, 2 pounds an acre.

**A and C.** (64 days.) One of the most popular and desirable market Cucumbers. Uniform length and very dark green in color. Vigorous and very prolific. Fruit 12 by 3 in., tapering at both ends, weighs about  $2\frac{1}{2}$  lbs. Thick fleshed, becoming increasingly popular. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.25.

**Boston Pickling.** (57 days.) Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Chicago Pickling.** (56 days.) A slender, early pickling variety producing uniform, medium green, tapered fruit 9 by 3 in. and weighing  $1\frac{3}{4}$  lbs. A standard variety. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Davis Perfect.** Fine for forcing or for outdoors. The fruit is long and straight, and valuable for slicing. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Early Cluster.** (55 days.) A fine pickling variety that is also good for slicing. Fruits  $5\frac{1}{2}$  by  $2\frac{3}{4}$  in., pale green. Prolific. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Early Fortune.** (63 days.) Used extensively for slicing and shipping. Fruit is medium green and tapering, 8 in. long and  $2\frac{1}{2}$  in. diameter, crisp, and weighs  $1\frac{3}{4}$  lbs. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Improved Long Green.** (70 days.) The standard late variety for the home-garden. Provides tasty, tender, crisp slices for salads. Fruit deep green and tapered, 12 by 3 in., and weighs 3 to  $3\frac{1}{2}$  lbs. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Improved White Spine.** (60 days.) An old standby, and will retain its medium green color for a long time. Fruit 8 to 9 in. long and  $2\frac{1}{2}$  in. in diameter. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Longfellow.** An excellent, long, dark green Cucumber growing about 12 in. long, of fine quality. A fine shipper. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Straight 8.** A new, uniformly cylindrical variety, 8-10 in. long. Fruit medium green, free from white stripes. Excellent keeping quality. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.25.

**West India Gherkin.** (60 days.) Used for small pickles. Fruit pale green, oval, uniform, and covered with prickly spines. Measures 2 by 1 in. and weighs 3 to 4 ozs. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

## DILL HERB

(70 days)

Used extensively for culinary use and for putting with Cucumber when pickling, producing the famous Dill pickles. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.



Dill

## DANDELION

1 oz. will sow 150-ft. row

**Common.** Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Improved Thick-Leaved.** (50 days.) A very early and healthful Spring salad. Sow early in the Spring, in drills, 18 in. apart and thin out to 6 in. in the drills. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.60, lb. \$5.50.

## EGGPLANT

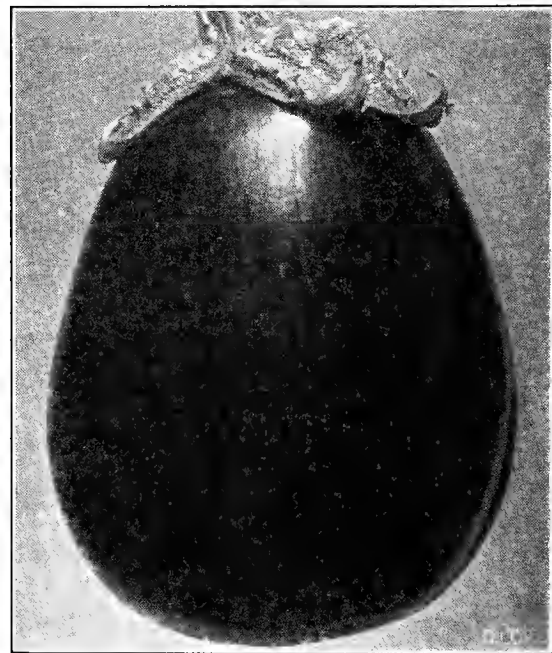
1 oz. will produce about 1000 plants

The seed should be sown in hotbeds the second week in March, care being taken to protect the young plants from cold at night. Plant out about June 1st, about  $2\frac{1}{2}$  feet apart. Sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or boxes in the house.

**Improved New York Spineless.** (85 days.) The plant is low and branching, and is quite free from spines both on the plant or calyx of the fruit, which are of the largest size and most perfect form. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.00.

**Early Black Beauty.** (82 days.) Earlier than any other sort. Fruit, jet black, holding its black color during its maturing season. Very productive with uniform size fruit. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.35, lb. \$4.00.

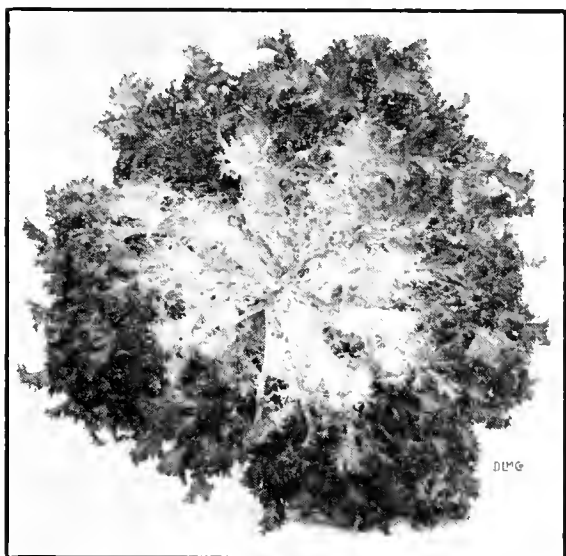
**1939 Selection Eggplant, New Hampshire Hybrid** (Silver Medal). Selection from Black Beauty X Early Dwarf Purple. Up-



New Hampshire Hybrid

right, uniform medium growth and fruits; very early and productive, long-round to pear-shaped eggs of dark purple and desirable market size. Lower fruits touch the ground. For home and market; especially valuable for short-season sections. Pkt. 10c.,  $\frac{1}{2}$  oz 60c., oz. \$1.00.





Endive, Green Curled

## ENDIVE

One ounce of seed for 100 feet of drill

One of our best salad plants. For a first crop sow about the middle of April; for succession small sowings may be made every month till August, when the main planting is made. Set out the plants 1 foot apart in rows and when well grown blanch by folding the leaves.

**Prices on Endive as follows:** pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.10.

**Broad-leaved Batavian.** (Escarolle). Full hearted. One of the best varieties for salads. Leaves broad, bright, dark green.

**Giant Green Curled or Ruffick.** (30 days.) This variety is sometimes called Oyster as in the Eastern States where Oysters on the shell are exhibited, it is frequently used as a garnish to display them. This is a hardy growing variety, with deep green leaves. When tied up these plants of red footstalks bleach white very quickly.

**Green Curled.** Hardy, finely curled; easily blanched. One of the best.

**White Curled.** Blanches rapidly; excellent and very tender.

## KALE, or BORECOLE

One ounce will sow 150 feet of drill

Sow about the middle of April in prepared beds, covering thinly and evenly; plant out in June following the directions recommended for cultivating Cabbage.

**Siberian Dwarf, Curled.** (65 days.) This variety grows a little larger and coarser than the preceding. The leaves are not so deeply curled and are of a bluish green color. Very hardy. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 80c.

**Green Curled Scotch.** (55 days.) A rather dwarf variety, growing about 18 in. in height, but spreading under good cultivation to 3 ft. in diameter. Leaves of a bright green, beautifully curved. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 80c.

## LEEK

One ounce will sow 200 feet of drill

The Leek is very hardy and easily cultivated. Sow as early in the Spring as practicable, in drills 1 inch deep and 1 foot apart. When 6 to 8 inches high, transplant in rows, as deep as possible, that the neck, being covered, may be blanched.

**Large American Flag.** The most desirable for market or family use. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

# LETTUCE

One ounce will sow 100 feet of drill

Sow the seed in hotbeds in February or March, and transplant out in rows 8 inches apart. For succession sow in the open ground as early as the weather permits, continuing until July. Always thin out well, or the plants will not be strong.

**Prices on Lettuce seed unless otherwise noted as follows:** pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## HEADING VARIETIES

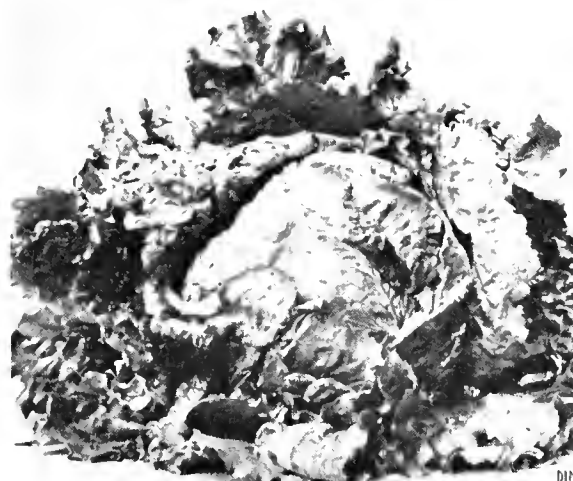
**Big Boston Improved.** Very popular for outside as well as for forcing. Color, light green, slightly tinged reddish brown.

**Crisp as Ice or Bronze Head.** (76 days.) Particularly valuable for home and market gardens; forms heads under rather adverse weather conditions. Plant medium small; deep green overlaid with dark brown; forms firm well blanched heads of delicate buttery flavor and tender quality.

**Hanson.** Curled crisp heading variety of medium size; light green, leaves curly and edges fringed.

**Iceberg (California Simpson).** A splendid crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched.

**Imperial No. 847.** Imperial No. 847 is of the same general appearance as other strains of Iceberg. The color is medium deep green. Heads are well rounded, firm, and with short core. This variety produces heads of excellent size and surprising solidity under conditions which usually produce loose or mediocre heads in other strains. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.



Lettuce, Wonderful

## KOHL-RABI

One ounce will sow 300 feet of row

It forms a bulb at the base of the stem above the ground. Successive sowings should be made throughout the season and good cultivation is necessary. Use the bulbs of Kohlrabi when they are about the size of an apple as they become hard and stringy if grown too long.

**Prices on Kohl-Rabi:** pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Early Purple Vienna.** Similar to Early White Vienna, except in color.

**Early White Vienna.** Very early and should be used before being fully grown. Flesh white with greenish white skin.

**May King.** Large heads with broad green outer leaves tinged brown. Solid.

**White Boston.** The best strain of the butter head type, 10 days earlier than Big Boston. Very large frame and head. Will not tip-burn, nor turn red, and will hold several days in the field after maturity before bolting to seed.

**White Paris Self Folding.** (77 days). 8-9 in. tall which is whitish-green inside, with heavy, white brittle mid-ribs; hard and crisp in texture, but very sweet and considered by some the standard of excellence in lettuce.

**Wonderful (New York).** Larger and a better color than Iceberg Lettuce. This is considered the finest strain of the well known Wonderful Lettuce. Pkt. 5 and 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

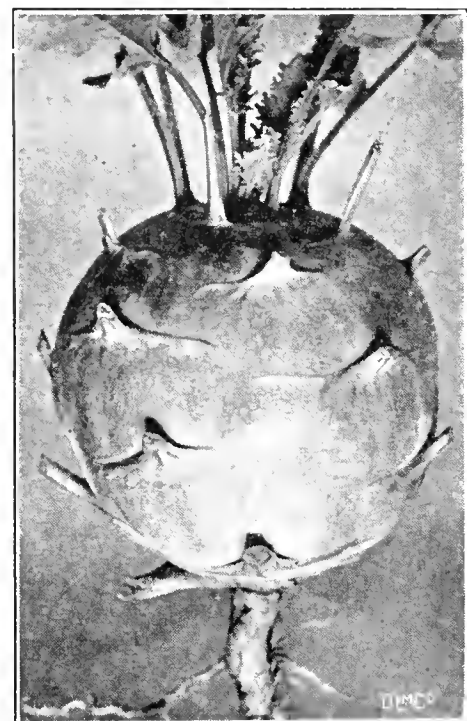
## LOOSE LEAF VARIETIES

**Black Seeded Simpson.** Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; with broad, frilled light green leaves that are of fine crisp texture and splendid quality.

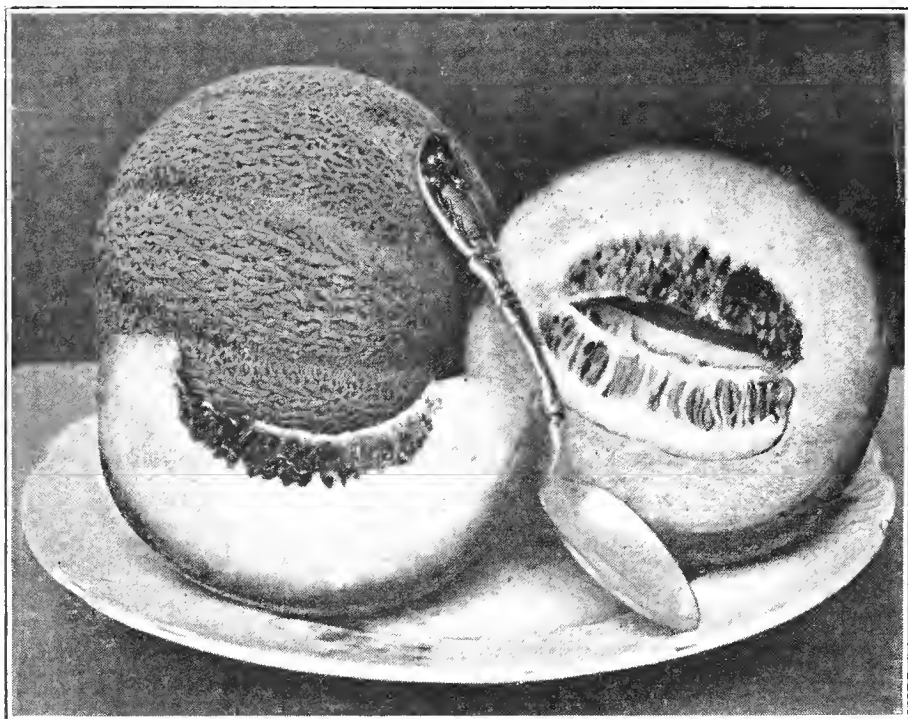
**Early Curled Simpson.** Early. Plant large, compact, bright light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality.

**Grand Rapids.** Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass.

**Prize Head.** Very early, quick growing and one of the most popular for home gardens, particularly on the Atlantic Coast. Plant medium large, strictly loose-leaf; leaves broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green very crisp, sweet and tender.



Kohl-rabi, Early White Vienna



Muskmelon, Hearts of Gold

## MUSKMELONS

*An ounce will plant 60 hills*

After all danger of frost is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, 6 to 12 seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground.

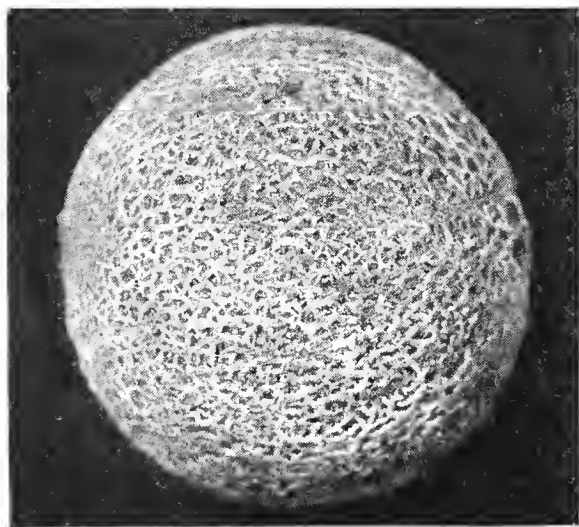
**The prices on Muskmelon seed are as follows: pkts. 5 and 10c., oz. 15c., ¼ lb. 40c., lb. \$1.25.**

**Banana.** (98 days.) Smooth, banana-shaped fruit, 15 to 20 in. by 5 in. weighing 6 to 7 lbs., and of delicious banana-like flavor. Good for late planting.

**Bender's Surprise.** (94 days.) Fruit oblong, 8 by 6 in., with ends rounded, and weighing 7 lbs. Skin hard, greenish yellow, distinctly ribbed, with coarse netting; delicious flavor. Can be shipped.

**Emerald Gem.** (85 days.) A good early variety for home and market gardens. Fruit rounded, 4½ by 5½ in., flattened at ends, distinctly ribbed and slightly netted; small seed-cavity; very sweet; weight 2 lbs.

**Extra Early Osage.** (95 days.) Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 in. long; almost round; with shallow furrows and sparse shallow netting. Flesh very thick; salmon-orange; fine grained, sweet and aromatic.



Muskmelon, Hale's Best

**Hale's Best.** (80 days.) Fruit oval, 6½ by 5 in., indistinctly ribbed but heavily netted, weighing 3 to 4 lbs. Flesh thick, sweet, and of fine flavor. Planted extensively for early shipping.

**Hearts of Gold or Hoodoo.** (94 days.) Fine for market gardens and shipping. Fruit round, 6 by 6 in., weighing 2 lbs.; distinctly ribbed, and covered with fine gray netting. Flesh thick, deep, sweet, and juicy.

**Honey Rock.** A recent novelty becoming very popular. Very sweet, thick orange flesh. Oval fruits of medium size. Weight 4 lbs.

**Imperial Melon.** (All American Selection). One of the so-called white melons but exterior color is amber instead of white. Oblong without ribs; lightly and rather coarsely netted: About 5½ in. diam. and 6 in. long. Cavity small, flesh bright orange, soft and melting, with high flavor like Honey Dew, but earlier.

**Irondequoit or Tip Top.** (90 days.) A fine yellow fleshed melon. Vines are hardy and very productive. Melons are large, excellent shaped, distinctively ribbed and netted. The flesh is solid, very thick, with small seed cavity. Rich salmon yellow, sweet and of a most delicious flavor.

**Lake Champlain.** (68 days.) Combines earliness, quality and productiveness. This is the earliest Muskmelon of good quality. The flesh is deep, very sweet and melting, of golden yellow color.

**Rocky Ford.** (92 days.) Fruit 5½ by 5 in., nearly round, with no ribs, and heavily covered with netting. Flesh deep, juicy, tender, and sweet. A very popular melon for home and market. Weighs 2½ lbs.

## MUSTARD

*One ounce will sow 75 feet of drill*

Sow thickly during early Spring in shallow drills, 12 inches apart. For Fall use, sow in September.

**Southern Giant Curled.** Most popular sort for greens. Leaves long and wide, light green, heavily crumpled and curled at edge. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. 90c.

## WATERMELON

*One ounce will plant 25 hills*

Cultivate same as Muskmelon, except that they should be planted 8 to 10 feet apart, according to variety.

**Price of Watermelon Seeds is as follows: pkts. 5 and 10c., oz. 15c., ¼ lb. 25c., lb. 75c.**

**Citron (Red Seeded).** (95 days.) Fruits globe-shaped; 7 in. in diameter; medium green; smooth, very hard; flesh white. Pkts. 5 and 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

**Cole's Early.** One of the earliest grown; the flesh is of a beautiful bright red color, crisp and delicious.

**Fordhook Early.** (75 days.) Slightly oval, dark green mottled with darker stripes. The flesh is bright red and of fine quality.

**Harris' Earliest.** (75 to 80 days.) Fruits medium size; broad oval; dark green stripes, of good quality; seeds blackish.

**Kleckley Sweets.** Sweet and fine flavored; dark green skin rind; flesh scarlet, solid and firm.

**Tom Watson.** Produces melons 16 to 22 in. long and 8 to 10 in. in diameter. The dark green rind is thin but tough; stands shipping well.



Mushrooms

## MUSHROOM SPAWN

Select fresh horse-manure, with straw bedding and put in a flat pile, covering with 2 to 3 inches of good soil. In the course of 3 to 4 days, turn over and mix thoroughly. Moisten with water, pile up, and cover again with soil and allow the pile to heat. Turn again in 5 to 6 days. Put this mixture on floor about 8 inches deep in beds the size desired, and pack down with shovel. When the heat rises to 100 degrees, wait until it recedes to about 70, then place the spawn. Keep moist. Make your bed in cellar, shed, pit, or some building that can be darkened.

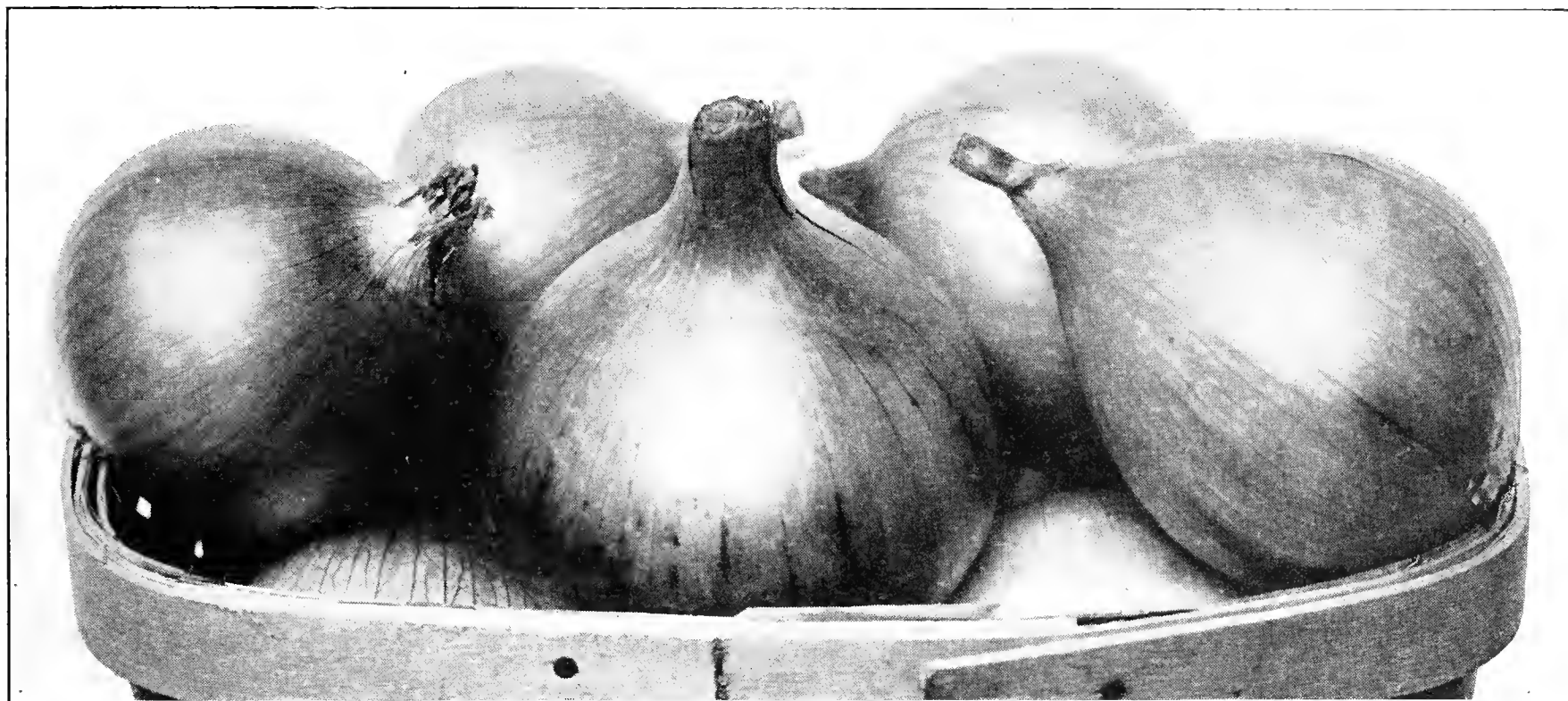
**Mushroom Spawn.** (40 to 60 days.) Our bricks produce the best creamy white fine-flavored Mushrooms. Brick 35c., 5 bricks \$1.40.

## OKRA, or GUMBO

This plant is extensively cultivated for its green pods, which are used in soups and stews, and are very wholesome and nutritious. Sow about the middle of May in drills 3 feet apart and thin out the plants to 1 foot apart.

**Dwarf Green.** Very early; smooth pods. Pkt. 5 and 10c., oz. 15c., ¼ lb. 25c., lb. 75c.





Onion, Prizetaker

## ONION

1 oz. will plant 50 hills or 75-ft. drill. 5 lbs. will sow an acre for growing large Onions; 50 to 60 lbs. per acre for growing sets

The Onion thrives best in a rather deep, rich loamy soil. As early in Spring as the ground is in working order, sow thinly in drills about  $\frac{1}{4}$  inch deep and 1 foot apart, cover with fine soil.

When the young plants are strong enough, thin gradually, so that they stand 3 or 4 inches apart.

**Prices on Onion Seed except where noted:**  
pkts. 5 and 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Early Prizetaker.** (100 days.) This Onion grows uniform in shape, of a nearly perfect globe, with thin skin, of a clean, bright straw color. It is of immense size, measuring from 12 to 16 in. in circumference, while under special cultivation specimens have been raised to weigh from 4 to 6 lbs.

**Michigan or Ohio Yellow Globe.** Very widely used variety of splendid keeping quality. Bulbs oblong globe shape at upper half and a trifle flattened at the base; skin pure deep yellow; flesh firm and hard. Ohio Yellow Globe is the same.

**Southport White Globe.** (110 days.) A handsome globular Onion of mild flavor and a good keeper; one of the very best. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Southport Red Globe.** (130 days.) Differs from the Southport Yellow Globe only in color.

**Southport Yellow Globe.** (115 days.) A favorite Yellow Globe variety. Solid and a good keeper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75.

**Sweet Spanish** (Riverside Strain). The best of the very large mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular.

**White Portugal or Silver Skin.** (100 days.) A handsome Onion, of mild flavor and a good keeper. Extensively grown for pickling.

**Wethersfield Large Red.** (110 days.) The staple variety of the eastern Onion growers. Of large size, flat on bottom, deep red in color, excellent keeper.

**Yellow Globe Danvers.** (110 days.) An excellent variety, fine flavored and very productive. Ripens early and is a good keeper.

### ONION SETS (Extra Fine)

32 lbs. standard weight to a bushel of Onion Sets

Yellow, White and Pennsylvania Bottle Sets

Lb. 15c., 2 lbs. 25c.

Quantity Prices on Application

### TEXAS GROWN ONION PLANTS

Texas unirrigated field grown Onion Plants are hardy and mature quicker, 100 plants producing one bushel of marketable onions. We offer Crystal Wax Bermuda, Yellow Bermuda, and Sweet Spanish. Bunch of 100 plants 15c., 1,000 plants \$1.25. **Add for postage**—100 plants 10c., 1,000 plants 25c.

### GARLIC Bulbs

As an appetizing dash for flavoring for soups and stews, many people use small quantities of this pear-shaped white bulb. In large amounts it has a strong odor and flavor. To grow garlic in the garden, the several sections or "cloves" of each bulb should be separated and set in rows 10 or 12 inches apart and 4 inches apart in the row. They should be taken up in the Fall and stored in a cool, dry place until used. Oz. 10c., lb. 40c.

### Bring Your Gardening Troubles to Us!

It may be your lawn . . . those troublesome spots where grass simply won't grow.

Or perhaps you're not quite sure what kind of fertilizer your border needs . . . or what to do about those peculiar little bugs that found a home in your aster bed last season.

No matter what's troubling you, just drop in and talk it over with us. Our experience and knowledge is yours for the asking. Perhaps we can help you.



Onion Sets



## PEPPER

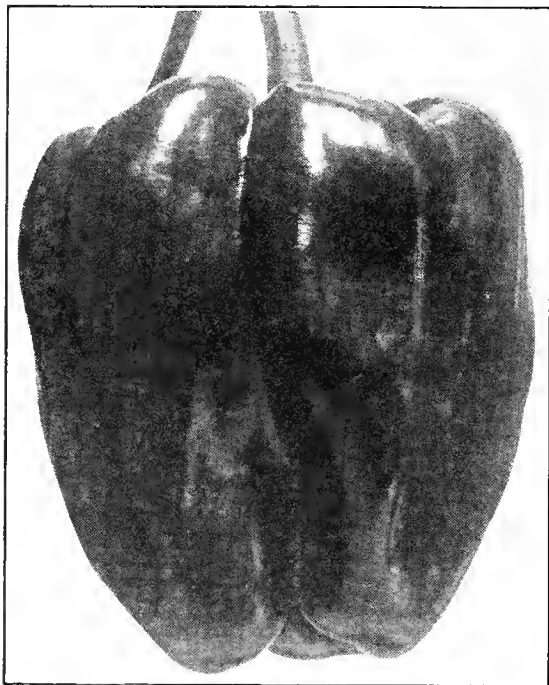
Peppers revel in rich soil and an abundance of moisture. Start seedlings in hotbed about March 1 and transplant to garden about middle of May, 15 to 18 inches apart in rows 18 to 30 inches apart. Sow 1 ounce to produce 1000 plants, 8 ounces an acre; 11,000 to 12,000 plants an acre.

**Bull Nose, Sweet.** (62 days.) Fruit blunt, 4-lobed, deep green, changing to bright red, 3 in. long and  $2\frac{3}{4}$  in. in diameter. For home and market. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**California Wonder.** (75 days.) Fruit mostly 4-lobed,  $4\frac{1}{2}$  in. long and  $3\frac{3}{4}$  in. in diameter, sweet, deep green changing to bright crimson. The outstanding medium-late variety for market garden and shipping. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.70, lb. \$5.25.

**Giant Crimson.** (Sweet.) (85 days.) Popular home and market sort. Plants large, thrifty and fairly productive. Fruits very large; commonly 5 to 6 in. long and 4 in. through; slightly tapered; deep green, becoming deep crimson; mild and sweet throughout. Pkts. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.00.

**Harris' Early Giant.** (Sweet.) (63 days.) The best very early sweet pepper for home and market gardens, particularly in the North. Plants vigorous, erect, extremely prolific. Fruits large,  $4\frac{1}{2}$  in. long,  $3\frac{1}{2}$  in. through, very slightly tapered; deep green becoming brilliant red; sweet throughout. Pkts. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.70, lb. \$5.00.



Pepper, Giant Crimson

### PARSNIP

*One ounce will sow 100 feet of drill*

Sow in deep, rich soil, in drills about 18 inches apart as early in the Spring as the ground can be worked. Thin out young plants to 6 inches apart; keep ground open, and free from weeds.

**Hollow Crown.** (Thick Shoulder.) Roots 12 to 15 in. long, 3 in. thick at shoulder; tapered; smooth and straight and of fine quality. We have a fine strain of this popular variety. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Short Thick.** Tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of  $2\frac{1}{2}$  to  $3\frac{1}{2}$  in. and a length of only 6 or 8 in. at the thickened part. The roots are full crowned and rounded on top with a small neck. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Large Sweet Spanish.** (80 days.) Popular for home and market garden. Plants large, upright, heavily productive. Fruits 6 to 7 in. long,  $2\frac{1}{4}$  in. through; very slightly tapered; dark green becoming rich red; sweet throughout. Pkts. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Long Red Cayenne.** (70 days.) Fruit tapering and often twisted, 5 in. long and  $\frac{3}{4}$  in. in diameter, very pungent, deep green changing to brilliant red. A favorite "hot" variety for canning, pickling and drying. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.50.

**Oakview Wonder.** Developed from California Wonder, is at least a week earlier. It has slightly smaller but blockier and more symmetrical fruits. The bush of Oakview Wonder is more compact and not so tall as the parent strain, the crown is usually heavier, and later settings are more abundant. Oakview Wonder has the thick walls and high quality of California Wonder, and its exceptional uniformity, earliness, and high yield have already made it a favorite among market growers and truckers. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$5.75.

**Pimento.** (73 days.) Smooth fruit, tapered to a point,  $3\frac{1}{2}$  in. long,  $2\frac{1}{2}$  in. in diameter, dark green changing to bright crimson. Flesh exceptionally thick, sweet, and mild. Very desirable for canning, also for home and market gardens. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Red Cherry.** (82 days.) Round, pungent and hot, smooth, solid fruit 1 by 1 in., deep green changing to deep scarlet. Popular for use in pickles. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Red Chili.** (Hot.) Fruits  $1\frac{1}{4}$  in. long. Cone-shaped bright red and very hot. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Ruby King.** (69 days.) Fruit usually 3-lobed, 5 in. long, diameter 3 in., deep green becoming ruby-red when ripe. A fine sweet Pepper often producing 10 to 15 fruits per plant. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.



Parsnip, Hollow Crown

**World Beater.** (75 days.) Smooth fruit 5 in. long and  $3\frac{1}{2}$  in. in diameter, 4-lobed, glossy green becoming bright red at maturity; bright, thick, sweet flesh. An excellent large sort for all gardens and shipping. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.



Pepper, California Wonder

### PARSLEY

*One ounce will sow 150 feet of drill*

Sow the seed early in Spring, in drills 1 foot apart and thin out to 4 inches apart. For solid borders, sow thickly.

**Champion Moss Curled.** (70 days.) A very select stock beautifully crimped and curled. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Hamburg Turnip Rooted.** (90 days.) The edible roots resemble a small Parsnip and it is esteemed for flavoring soups, stews, etc. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Paramount Parsley.** All-American Selection. A new Parsley that is bound to sell. The leaves are very dark green, triple curled, dense and broad on stout stems that make it perfect for bunching. Oz. 15c.,  $\frac{1}{4}$  lb. 40c.,  $\frac{1}{2}$  lb. 65c., lb. \$1.00.

**Plain.** (60 days.) The leaves of this sort are plain; it is harder than the curled variety; good for flavoring. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.



Parsley, Champion Moss Curled

## GARDEN PEAS

*One quart will plant about 100 feet of drill*

Peas do best in a light, rich soil; for private use sow in double rows 6 to 8 inches apart, the rows 2 to 4 feet apart, the tall ones requiring brush. Commence sowing the extra early varieties as soon as the ground can be worked in March; continue for a succession every two weeks until June. A good crop can be secured by sowing the extra early sorts in August for Fall use. The wrinkled varieties are not as hardy as the small round sorts, and if planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored.

**Prices of Peas unless otherwise noted are as follows:**  $\frac{1}{4}$  lb. 10c.,  $\frac{1}{2}$  lb. 15c., lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2.00.

### EXTRA EARLY PEAS

**Alaska.** One of the very earliest blue Peas; quite productive.  $2\frac{1}{2}$  ft. high.



Peas, Laxton's Progress

### EARLY VARIETIES

**Blue Bantam.** (62 days.) Early dwarf wrinkled Pea. Averages 15 in. high, bears enormous crops, pods deep bluish green, pods  $4\frac{1}{2}$  in. long, bear 8 to 10 peas.

**Gradus or Prosperity.** (58 days.) A popular second early, large podded variety. Vines medium green, stocky; pods single, broad, plump, pointed, containing 8 to 10 large, sweet, delicious Peas. Seed wrinkled.



Peas, Gradus

### EARLY VARIETIES Continued

**Laxton's Progress.** (62 days.) The largest podded and most attractive of the Laxtonian family. Vines 18 in. high, pods 4 to 5 in. long, containing 8 large Peas of good quality. Wrinkled.

**Laxtonian.**  $1\frac{1}{2}$  ft. A large-podded, dwarf variety on the order of Gradus.

**Little Marvel.** The vines are of dwarf, even growth. The pods average  $2\frac{1}{2}$  in. in length, and well filled with 6 to 7 large, deep green peas of the choicest quality.  $1\frac{1}{2}$  ft.

**Nott's Excelsior or American Wonder.** (60 days.) Vines dark green, medium, stocky; pods are single, blunt, round, plump, and well filled with 6 to 7 medium sized tender Peas. Seeds wrinkled.

**Thomas Laxton.** (57 days.) This fine early Pea is wrinkled, with a good constitution. Pods contain on the average of 7 to 8 very large Peas of the richest flavor.

### Please

**When you have ordered, why not lend this Seed Catalog to a friend.**

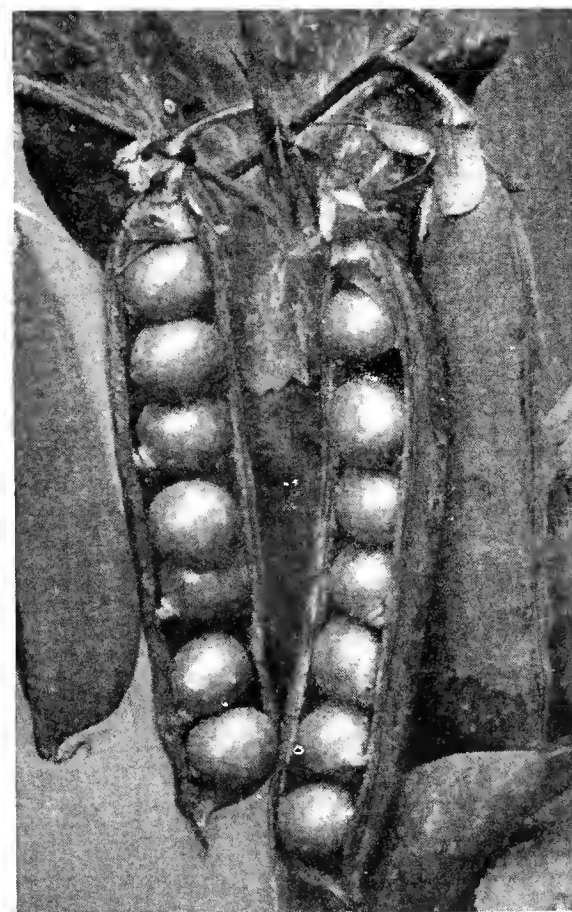
### MEDIUM CROP PEAS

**Bliss Everbearing.** (72 days.) Popular for the home garden. Vines 30 in. tall; dark green; thrifty; of long bearing period. Pods medium green; borne in pairs; 3 in. long;  $\frac{5}{8}$  in. wide; plump; straight, blunt. Green peas large, sweet; of marrowy texture and flavor. Dry seeds large; green; flattish, coarsely wrinkled; interior pale green.

**Dwarf Telephone.** (70 to 75 days.) Very satisfactory for home, market garden. Vines 24 in. tall, thrifty; deep green. Pods deep green;  $4\frac{1}{4}$  in. long,  $\frac{3}{4}$  in. wide; plump, tapered at end. Seeds large, wrinkled, green.

**Morses New Market (No. 122).** (70 days.) One of the finest early mid-season Garden peas for market purposes and home garden. Vines are robust, grow from 24 to 30 in. tall, are quite bushy and stool freely. Leaves are medium large and dark green. Pods straight, pointed, smooth, dark green in color and well filled with 8 to 11 peas per pod. Pods being 5 to  $5\frac{1}{2}$  in. long and  $\frac{3}{4}$  in. broad. Unusually productive.

**Roger's Gilbo.** (2 ft.) Robust—Large Pods—Superior Quality—Our customers have been well pleased with this new variety. The vines are about 2 ft. tall, strong and robust and bear an abundance of pods. The pods are  $4\frac{1}{2}$  to 5 in. long, containing 8 to 9 large peas of superb quality. Although a wrinkled pea, this is a hardy sort and can be planted earlier than most varieties of this class. We recommend this new kind highly both for home and market gardeners.



Peas, Little Marvel



## PEAS—Continued

Prices of Peas unless otherwise noted are as follows:  $\frac{1}{4}$  lb. 10c.,  $\frac{1}{2}$  lb. 15c., lb. 25c., 5 lbs. \$1.10, 10 lbs. \$2.00

**TALL MAIN-CROP WRINKLED**

**Alderman.** 5 ft. Mid-season. Comes into bearing a little later than Thomas Laxton. Larger and more prolific. Excellent quality, squarish, wrinkled, green, interior green.

**Champion of England.** (80 days.) Late. *Wilt-resistant.* Medium green vines 50 in. high and 3-in. pods, slightly curved, blunt, light green, containing 7 or 8 tender Peas.

**Improved Telephone.** (76 days.) Late. Medium green vine, 60 to 70 in. high, with  $5\frac{1}{2}$ -in. pods, darkish green, pointed, slightly curved, and thick walled, containing 8 to 10 tender sweet Peas of best quality. Fine for home and market gardens and shipping, wrinkled; cream and green, interior yellow



Peas, Improved Telephone

**SUGAR PEAS (Edible Pods)**

In Sugar Peas the pods are gathered, broken and cooked like string beans, when the peas start to develop in the pod or have reached about half their full size.

**Tall, Melting Sugar.** One of the best edible pod sorts. 5 ft. high.

**RADISH**

1 oz. will sow 100 ft. of drill

Radishes thrive best in a light rich, sandy loam. For a successive crop supply, sow from the middle of March until September at intervals of two or three weeks. For an early supply sow in a gentle hotbed in February.

**Price of Radish Seed as follows: pkts. 5 and 10 cts., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.**

**Chartier or Long Rose.** (35 days.) The color at the top is crimson, running into pink about the middle and from thence downward it is pure waxy white. It will attain a very large size.

**Crimson Giant.** (28 days.) It is always tender, crisp and of mild flavor. It remains in perfect condition for a long time. Color, a beautiful crimson. It will force well.

**Early Long White Icicle.** (27 days.) The flavor is very mild, and it is invaluable for slicing. The top is short; flesh very crisp and tender; very attractive when bunched. Remains in prime condition for eating for fully two weeks.

**Early Scarlet White Tip.** (26 days.) Grows round and very symmetrical and uniform in shape; color a bright scarlet, white tip.

**Early Scarlet Globe.** (24 days.) An excellent forcing variety and well adapted for field culture, roots globular with small top, bright scarlet, crisp, tender and of fine quality.

**French Breakfast.** (25 days.) A popular early variety. Roots oblong, dull scarlet, with white tip,  $1\frac{1}{2}$  in. long,  $\frac{3}{4}$  in. thick. Flesh white and crisp. Extensively used for forcing.

**Long Scarlet Short Top.** (27 days.) A standard sort for market and private gardens, roots 5 to 6 in. long, smooth, crisp, and tapering.

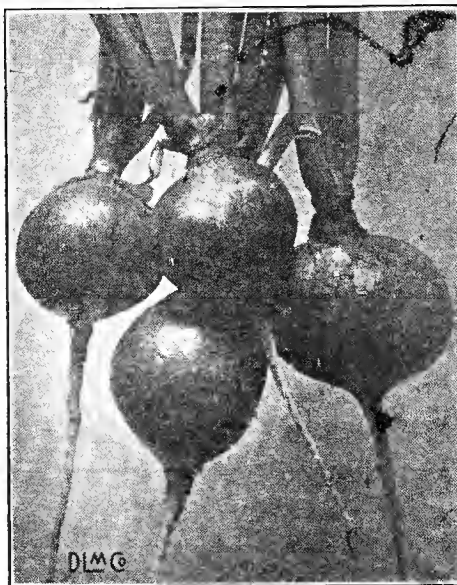
**WINTER VARIETES**

**Chinese Rose Winter.** (52 days.) A popular sort, with cylindrical, blunt, smooth roots 5 to 6 in. long and 2 in. in diameter. Bright rose-red with white, firm, pungent flesh.

**Long Black Spanish.** (57 days.) A good keeper. Roots cylindrical, slightly tapered, 7 to 9 in. long, 2 in. in diameter. Black skin. Flesh white, solid, and pungent.

**Round Black Spanish.** (56 days.) A round winter sort, somewhat top-shaped about 3 to 4 in. in diameter. Flesh white, crisp, of strong flavor.

**White Chinese Winter or Celestial.** (60 days.) Roots large,  $2\frac{1}{2}$  to 3 in. in diameter, and from 6 to 9 in. long, oval with blunt base. It is clear white and crisp but not as pungent as other winter varieties.



Radish, Scarlet Globe

**RUCOLA, or ROCKET**

A salad with leaves resembling Sorrel. Cultivate same as Spinach.

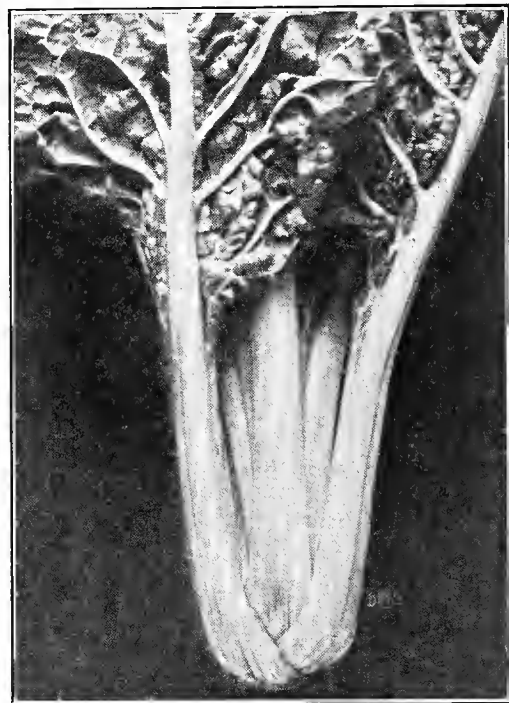
**Rucola Roquette.** Useful for soups and salads. Pkt. 10c., oz. 45c.

**SALSIFY, or OYSTER PLANT**

One ounce will sow 50 feet of drill

Sow early in Spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots are used same as Carrots. Salsify is very hardy and can be left in the ground until Spring.

**Mammoth Sandwich Island.** Resembles Parsnip; very mild. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 55c., lb. \$1.85.



Swiss Chard, Giant Lucullus

**SWISS CHARD or SPINACH BEET**

This Beet produces leaves only, which are used for greens. Cultivate same as Spinach, sowing the seed early in Spring, in drills  $1\frac{1}{2}$  feet apart and 1 inch deep.

**Giant Lucullus.** This variety is an improvement over the older sort. The leaves are large and crinkled, of a dark green color, pure white ribs which can be used like Asparagus. Makes very choice greens. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 85c.

**Large Silver Leaf.** Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It can be sown at different seasons of the year, giving successive greens. Pkts. 5 and 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 85c.

**Include with Your Order**

**Cuprocide (Red Copper Oxide).** Treat all seed with Cuprocide to prevent damping-off and other seed-borne diseases. 4 ozs. 35c., lb. 90c.

**Semesan.** To prevent damping-off, seed-borne black leg and black rot of Cabbage and other vegetables, treat your seed with Semesan, a mercuric disinfectant.  $\frac{1}{8}$  oz. 10c., 2-oz. tin 35c., lb. \$2.25, 5 lbs. \$9.90.



## PUMPKIN

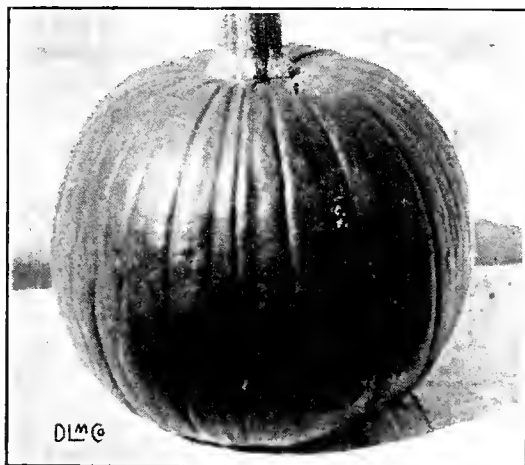
1 lb. will plant 250 hills

Pumpkins are now principally cultivated for agricultural purposes. They are usually planted in fields of Corn or Potatoes, but may be profitably raised in fields by themselves. Sow first of May, in hills 8 feet apart.

**Price of Pumpkin Seed is as follows: pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 75c.**

**Connecticut Field.** (120 days.) Extensively grown for making pies, canning and for stock feed. Fruits large, flat, deep orange and of good quality.

**King of the Mammoth.** (120 days.) Grows to immense size, often weighing over 100 lbs.



Pumpkin, Winter Luxury

**Sugar or New England Pie.** The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 in. long and 8 to 9 in. in diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality.

**Winter Luxury.** (100 days.) Grows uniformly to a diameter of 10 to 12 in. and is enormously productive. It is a beautiful golden yellow, finely and closely netted. As a Winter keeper and cooking variety it stands unexcelled.



Spinach, King of Denmark

## SPINACH

**Price of Spinach unless otherwise noted is as follows: pkt. 5c., oz. 10c., lb. 30c., 10 lbs. \$2.60.**

**Bloomsdale Long Standing Savoy.** More compact in growth and a deeper green color than other Savoy varieties. It will stay in prime condition for cutting two weeks longer than many other varieties.

**Giant Thick-leaved.** A strong-growing, early market variety; large, thick leaves, deep green color. The best for Spring or Fall sowing.

**Juliana.** Long season type with rich dark green crumpled leaves standing a long time before seeding. Fine for Spring or Fall planting.

**King of Denmark.** Leaves are large, rounded and of a deep green color, and remain in good condition a week after some varieties have gone to seed. It has quite a butter flavor.

**New Zealand.** Ready for use in about 10 weeks from sowing. This variety may be cut and comes back again all Summer. The leaves are very small. Pkt. 5 and 10c. oz. 15c., ¼ lb. 25c., lb. 60c.

**Virginia Blight-Resisting Savoy.** (39 days.) A mosaic-resistant variety. Plants vigorous, upstanding. Leaves somewhat smoother than other strains of Savoy, but will withstand heat better.

## SQUASH

One ounce Early Squash will plant about 50 hills. One ounce Marrow Squash will plant about 25 hills

**Price of Squash unless otherwise noted is as follows: pkts. 5 and 10c., oz. 15c., ¼ lb. 35c., lb. \$1.25.**

**Banana.** A late, trailing, cylindrical sort. Flesh yellowish orange, sweet.

**Blue Hubbard.** Of true Hubbard shape with rich blue-green skin and bright orange flesh of fine flavor.

**Boston Marrow.** (97 days.) A productive Fall sort of vining or trailing habit. Deep orange, slightly rough fruits, 12 in. long and 9 in. in diameter, weighing 7 to 8 lbs. Flesh yellow, thick, fine-grained, and moist. Resembles a pumpkin and is extensively used for pies.

**Delicious.** Green skin; orange flesh; fine grained; sweet and dry.

**Des Moines.** Trailing in habit with acorn-shaped, smooth, dark green fruits. Flesh light yellow. Bakes wonderfully. Very early.

**Early White Bush Scalloped.** (53 days.) Also called Cymling and Patty Pan. Fruits white, scalloped, flattened and smooth, 8 in. in diameter by 3 in. thick, weighing 2½ lbs. A valuable and popular early sort for home market, and shipping.

**Giant Summer Crookneck.** Double the size of the Summer Crookneck.

**Giant Summer Straightneck.** Fruits about 18 in. long, deep orange color and intensely warted.

**Golden Hubbard.** Similar to the old-fashioned Hubbard in size and form. Skin rich deep orange.

**Golden Table Queen.** (All-American Award 1939). Weighs about 1½ lbs. and is acorn-shaped, deeply furrowed, and golden yellow on the outside. The flesh is rich yellow, dry and mealy, and of delicious flavor. The vines yield prolifically, and the fruit matures early.

**Hubbard (Green).** (105 days.) Fruit pointed, slightly warted, dark green, 12 in. long, 9 in. in diameter, weighing 10 to 12 lbs. Flesh thick, orange, dry and sweet.

**Italian Marrow or Cocozelle.** (65 days.) Fruits dark green, becoming yellowish at maturity, 6 to 8 in. long, 3 in. in diameter. Flesh pale green, thick, firm, tender, of excellent tasty quality. Very popular.



Assorted Squash

# TOMATOES

One ounce will produce 1000 plants

Sow thinly about the first week in March in a hotbed, greenhouse, window or sitting room, where the temperature is never below 60 degrees. When 2 inches high, set out the plants in boxes about 4 inches apart, or pot singly. About the first of June they may be transferred to the open ground. Set them deeply 4 feet apart.

**Bonny Best.** A fine early variety, smooth, solid and uniform, color bright red. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Chalk's Early Jewel.** Very large, solid, bright red; early and prolific. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Crimson Cushion or Beefsteak.** The largest of the bright red tomatoes, very solid and smooth. Similar to Ponderosa, except in color which is rich crimson. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.75.

**Dwarf Stone.** (81 days.) Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe-shape, a trifle over medium size. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$4.00.



Tomato, Marglobe

**Earliana.** (64 days.) Particularly valuable for home garden and early market. Fruits medium size; flattened globe shape; deep scarlet-red; firm and smooth. Pkt. 10c., oz. 30c.

**Golden Queen.** Fruit large solid, golden yellow. Excellent flavor. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**John Baer (True).** The earliest and best Tomato. Fruit solid. Color, bright red. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Marglobe.** A grand second-early variety, vigorous grower and immune to rust. Fruits are large, smooth and globular in shape, of meaty substance. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.75.

**Ox Heart.** (90 days.) Very popular late home garden variety. Fruits very large, often weigh 1 to 2 lbs. or more; heart-shaped; pink; flesh solid with few seeds, of mild flavor, and very choice for salads. Pkt. 10c., oz. 70c.,  $\frac{1}{4}$  lb. \$2.25.

**Penn State.** A very early smooth fruited sort on the order of Earliana. Fruits in compact clusters. Very short vine. Flesh dark red, very little core and few seeds. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 70c.,  $\frac{1}{4}$  lb. \$2.00.

**Ponderosa** (Also known as Beefsteak) (85 days.) One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; of very mild flavor. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75, lb. \$5.75.

**Pritchard** (Scarlet Topper). (75 days.) Very promising heavily productive wilt resistant introduction of superior merit for home and market garden, shipping and canning. Fruits large, globe-shaped, scarlet and well colored about the stem end; flesh firm and of fine quality. Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$3.75.

**Rutgers.** A recent development introduced by the New Jersey Agricultural Experiment Station. Fruits medium to large, similar in shape to Marglobe, but slightly more flattened. Highly recommended as a second early maturing variety for canning and tomato juice. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.20, lb. \$4.00.

**Stone.** Uniformly oval, very solid and smooth. An old standby from certified stock. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

## SMALL FRUITED VARIETIES

**Red Cherry, Yellow Cherry.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Red Currant.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Red Peach, Yellow Peach.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c.

**Red Pear, Yellow Pear.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Red Plum, Yellow Plum.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Strawberry or Husk.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

## CUPRO-K for Vegetables

As a substitute for Bordeaux Mixture, Cupro-K (as a spray or in a dust) is of especial value in controlling diseases of such sensitive crops as cucumbers, cantaloupes and tomatoes. Bordeaux Mixture increases normal water loss and causes stunting and, frequently, blossom drop. Cupro-K permits normal growth, blossoming, and fruiting. It is safe and, in addition, effective and economical.

Cupro-K is packed in 3-lb. bags. 18c. lb.



Tomato, Rutgers



Turnip, Purple Top White Globe

# TURNIPS

One ounce will sow 150 feet of drill

For early crop sow in Spring as soon as the ground can be worked, and again in July and August in drills  $\frac{1}{2}$  inch deep and 18 inches apart; thin out to 6 inches in the row. Sow Rutabaga in June and July in drills 2 feet apart; thin out to 9 inches in the row. Turnips do best in a rich, light soil.

The price of Turnips, unless otherwise noted, is as follows: pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.

**Large Amber or Yellow Globe.** (76 days.) Roots globular, 5 in. in diameter, smooth and yellow. Flesh light yellow, firm, and tender. Tops medium size with cut leaves. Popular for home-gardens and also for stock-feed.

**Purple Top White Globe.** (60 days.) An early variety, globe-shaped. A handsome, early Turnip for market garden purposes.

**Purple- or Strap-Leaved Flat.** (46 days.) Roots flat, purple at top, white below, 3 to 5 in. in diameter and  $1\frac{1}{2}$  in. thick. Flesh white, fine-grained, and tender. Tops medium small and compact. A very productive early variety for home and market garden.

**Cow Horn.** A long, white, Carrot shaped Turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort.

## RUTABAGA (Swedish Turnip)

The roots are close grained, very hard, and will endure a considerable degree of cold without injury. Sow from 20th of June to the middle of July, in drills 3 feet apart and thin out to 8 inches.

**Improved American** (Purple Top). (90 days.) The leading variety, very hardy and productive. Flesh yellow, solid, sweet and finely flavored. Equally good for stock or table use. Pkt. 5c., oz. 10c., lb. 65c.

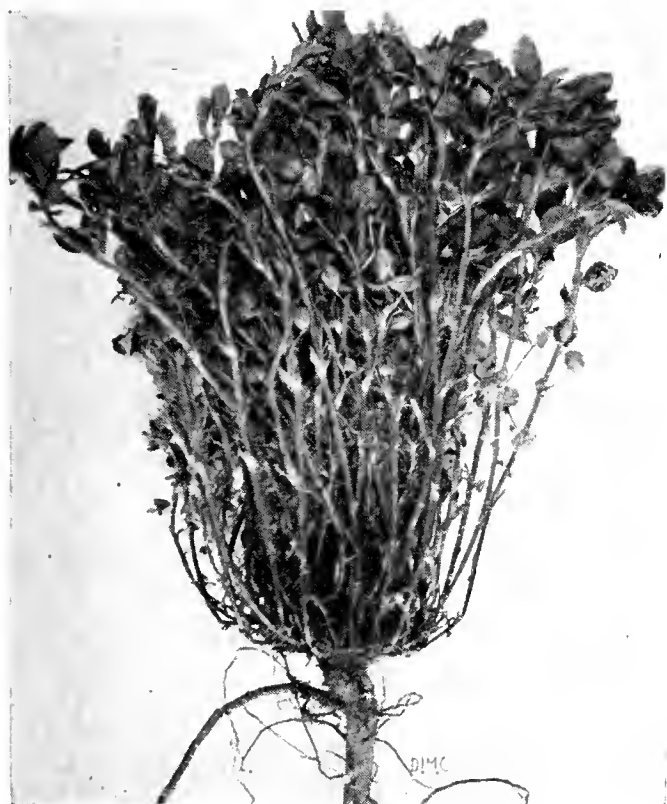
**Sweet Perfection White.** While very good for stock feeding, this white fleshed rutabaga is especially desirable for table use. It is of vigorous growth and yields better than yellow varieties. Absolutely neckless, small topped, and fine grained. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 65c.

## TOBACCO SEED

One ounce will produce plants for one acre

**Connecticut Seed Leaf.** Suitable for growing in these latitudes; used for cigar wrappers. Pkt. 10c., oz. 30c.





Plant of Alfalfa, or Lucerne

All our tested farm seeds are sold under the provisions of the Pennsylvania and New York Pure Seed Law.

## CLOVER SEEDS

Write for samples and prices in larger quantities. Prices subject to market fluctuation



Alsike, or Hybrid Clover

**Alfalfa.** Northwestern-grown alfalfa produces from 3 to 7 tons of hay to the acre. It has as much protein as wheat-bran. Three hundred and sixty stalks have been grown from 1 seed. It does not exhaust the soil; it enriches the soil. It will grow three to five crops a year. Alfalfa in money value is worth 45 per cent more than other clovers and 60 per cent more than timothy. Ten milch cows can be fed on less than 2 acres by soiling. Lb. 35c., bu. \$18.00.

**Canadian Variegated Alfalfa.** This Alfalfa was developed in Ontario, Canada, and is a cross between Grimm and Northwestern. It comes to us field-inspected and certified to be 60 per cent variegated flowered. It does not spread as much as the Grimm or common. It is recommended by the Experiment Stations for northern Pennsylvania and New York State. Lb. 40c., 10 lbs. \$3.50.

**Grimm.** We have the genuine certified Grimm Alfalfa produced in the Northwest, where the climate is colder for longer periods than in the eastern States. More hardy than the common, has a different root system and comes through on soils that will not maintain the common variety. Comes in sealed containers certifying its genuineness. Lb. 40c., 10 lbs. \$3.50.

**Crimson, or German Clover** (*Trifolium incarnatum*). Erect annual, 1 to 2 ft. high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Lb. 25c.

**Mammoth Red Clover.** (*Domestic-grown*) Pea Vine or Sapling Clover. A large, rank-growing clover, ripening at the same time as timothy, producing an enormous yield. It is a valuable plant for our depleted, worn-out hills, producing a satisfactory yield. Our stock of this clover is the Genuine Mammoth. Lb. 35c., bus. (60 lbs.) \$15.50. (Prices subject to market changes.)

**Medium Red Clover.** (*Domestic-grown*) Red or June Clover is probably more generally grown than any other. This crop is the stand-by for American farmers, both for hay and soiling. Much publicity has been given this important crop during the past few years as to the adaptability of seeds from Southern sections when planted in the Northern States. It is agreed among investigators that seed for planting under Pennsylvania farm conditions should be northern-grown, to stand our harsh Winter and early Spring conditions. We take great pains to offer our trade only seed of the Medium Red variety that is northern-grown, as free as possible from weeds, and of the best germination. Our Domestic Medium Red Clover is always the best procurable. Lb. 30c., 10 lbs. \$2.75, bu. \$15.00.

### IMPORTED CLOVER SEED

By Government act this seed is stained a green color to distinguish it from non-adaptable Italian Seed. Our customers who have been growing this seed report that their results are equal to the results obtained from domestic seed. This but confirms experimental station reports. Lb. 25c., bu. \$12.00.

### ALSIKE OR SWEDISH

This is one of the hardiest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red and with Timothy. Lb. 35c., 10 lbs. \$3.00. (Prices subject to market changes.)

### Perennial WHITE SWEET CLOVER

(*Melilotus alba*)

Inoculate  
this seed with  
NOD-O-GEN

A legume of immense size and rank growth. It has great value as a soil improver. It furnishes a palatable hay and makes excellent pasture.

Sweet Clover will grow on almost any soil where proper amounts of lime have been applied. Its immense growth (8 to 10 ft.) and its ability to gather nitrogen from the air and deposit it in bacterial nodules on the roots, together with the large amounts of humus it supplies to the soil when turned down, makes it an ideal crop to improve good soil and a splendid crop to build up poor land.

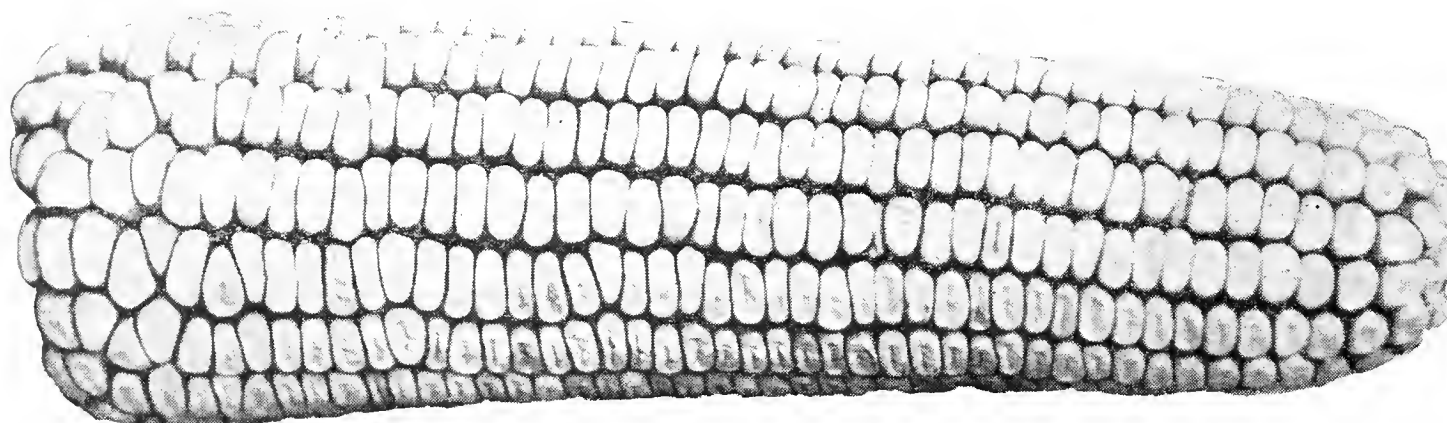
**Sweet Clover.** Makes a good grade of hay and it will produce a larger tonnage than any other legume crop; it averages two or more cuttings per year. Lime well for sweet clover, at least 1½ ton hydrated lime per acre, or its equivalent. Sow 25 lbs. per acre. Lb. 20c., 10 lbs. \$1.50.

**Yellow Sweet Clover** (*Melilotus officinalis*). This is also a biennial similar to White Blossom Sweet Clover, and used for the same purpose. It has a yellow blossom and is about two weeks earlier and not so tall. It does not grow so heavy and coarse. It lays closer to the ground and is considered superior for pasture and makes a finer grade of hay. For those who do not like the White Sweet Clover on account of its rank growth we would recommend the Yellow Blossom. Lb. 20c., bu. \$8.00.

As the market rates on Clover and other farm seeds are continually fluctuating, the prices here quoted are those prevailing as we go to press, and are inserted as a guide. As the market advances or recedes, our prices are also changed. Write for prices before ordering.

If wanted by Parcel Post, add postage 7 cents for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Seamless 2-bushel bags, used in shipping, 30 cents each.





Ohio K-23 Hybrid



Wilson Soja Bean

## It's Results that Count

### CERTIFIED CORN HYBRIDS

**Hybrid Field Corn.** Last year it was estimated that 75 per cent of the corn planted in the Corn Belt was Hybrid Corn. There would have been more if there had been sufficient seed. Hybrid Corn yields 10 to 30 bushels more to the acre, has a larger stalk and a better root-system, and is more disease-, storm-, and drought-resistant. The strains we offer are varieties suitable for Northern Pennsylvania and Southern Tier New York State Counties.

**Ohio Hybrid, M 15.** This is a new hybrid offered to the farmers for the first time last year. It is the earliest one certified in Ohio. It is especially suited for Pennsylvania and New York. Pk. 14 lbs. \$2.00, bu. 56 lbs. \$7.50.

**Ohio K-23 Hybrid.** One of Ohio's best 90-day hybrids. It is very drought and wind resistant, and grows a stalk 7 ft. tall. The ears are medium in size, tapering, with 16 to 18 rows. Pk. (14 lbs.) \$2.00, bu. (56 lbs.) \$7.50.

**Iowa 939 Hybrid.** One of the oldest and most popular hybrids grown. Matures in 100 days. Its past performance has proven this hybrid to be one of the best. Pk. (14 lbs.) \$2.00, bu. (56 lbs.) \$7.50.

**W-17 Hybrid.** Plants are very leafy, short shanks, ears medium low. Medium thick, smooth ears with 16 to 18 rows. About same maturity as Iowa 939. Has an excellent yield record. Pk. (14 lbs.) \$2.00, bu. (56 lbs.) \$7.50.

**29-3 Double Crossed Corn (Ensilage).** The best hybrid field corn for New York and New England. During a five-year period in which this corn was thoroughly tried out in many locations in New York State by the Department of Plant Breeding at Cornell University it produced practically the same amount of green weight as Sweepstakes, but exceeded that variety in dry weight by 11 per cent and in grain about 55 per cent.

This new hybrid corn is the result of years of work by the Department of Plant Breeding at Cornell University. Since the introduction of this new variety it has become very popular. This is due not only to the enormous crops but also because of the high proportion of digestible food in the ensilage which makes it the most economical ensilage corn to grow.

In most parts of New York State and in Southern New England, 29-3 can also be successfully used for a heavy yielding grain corn.

**N. Y. State Certified Seed.** 2 lbs. 50c., transportation paid. Not paid: pk. (14 lbs.) \$1.50, bu. (56 lbs.) \$5.25, 2 bu. bag \$10.00.

### SEED POTATOES

**CERTIFIED AND SELECTED STOCK**  
Potatoes sold by weight only; 60 lbs. to bu.  
Write for prices on bus. or bag 150-lb. lots

**Irish Cobbler.** Very productive and matures early. Shape chunky; eyes strong and deep set; skin netted; flesh white, of very superior quality. Selected stock, pk. \$1.00.

**Red Bliss Triumph.** This variety combines the productiveness of the Peerless with all the good qualities of the Early Rose. It is more productive, and matures its crop at least a week in advance of Early Rose. Selected stock. Pk. \$1.00.

**Pure Early Rose.** The good old favorite; pure and true. Every farmer and gardener knows the good Early Rose Potato, and nothing need be said in its favor. Our seed is grown in New York state, and we can offer it as the purest and best that can be had. Pk. \$1.00.

**Early Ohio.** A few days earlier than the Early Rose, and similar in color and habit of growth; quality dry and mealy. Pk. \$1.00.

**Smooth Rurals.** Also called **Heavy Weight or No. 9.** The potatoes are round to oblong, have fairly numerous medium shallow eyes, purple sprouts, and smooth white skin. The vines are rather stocky and very vigorous and resistant to disease. This is one of the best of the Smooth Rural or Carman class and is fast replacing many other kinds for the late or main crop. Pk. \$1.00.

**Green Mountain.** Grow for fine quality. If you want nice mealy white potatoes of the finest quality, raise Green Mountains. They are far superior to most of the kinds usually raised. Pkt. \$1.00.

**Warba.** If you want extra early potatoes: Try the New Warba! This new potato which was introduced by the Minnesota Experiment Station is 10 days earlier than Irish Cobbler, and a week earlier than Triumph. Comparative tests have shown the yield also to be better than the Cobbler. The vines are sturdy, upright and remarkably resistant to disease, especially mosaic. Pk. \$1.00.



### New Improved SEMESAN BEL

Quick dip treatment; effective against seed-borne scab and Rhizoctonia. Costs only 1½c. to 3c. a bushel. 4 ozs. 45c., 1 lb. \$1.50, 5 lbs. \$6.75, 25 lbs. \$31.00.

### SOY BEANS

(The Great Soil-Improver)

**Wilson.** This variety in some ways excels all others as a forage crop. The stalks and branches are slender and we think probably it would make the most hay and a little the best quality of any variety. It matures in 125 days. Sow 40 lbs. to the acre. Bu. \$2.50.

### VETCH

Inoculate this Seed with NOD-O-GEN

**Sand, Winter, or Hairy Vetch** (*Vicia villosa*). Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows 3 to 4 ft. high and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow 50 lbs. to the acre. Price variable. Lb. 15c.



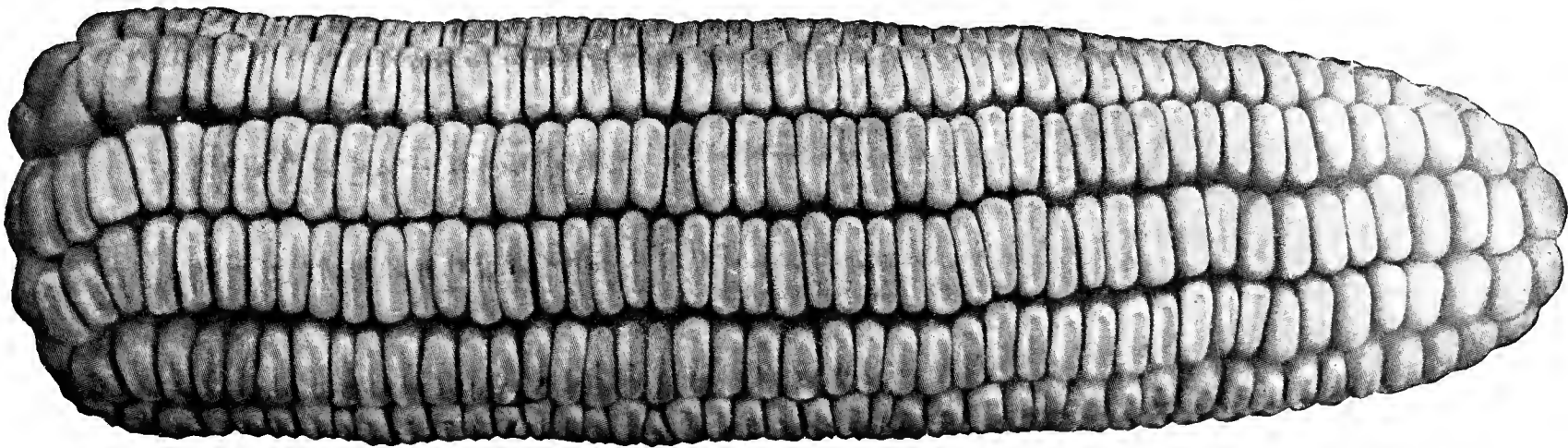
Hairy, or Winter Vetch

### CANADIAN FIELD PEAS

**There is no crop grown on the farm as valuable for Summer feeding as Canada Field Peas and Oats, and they are equally valuable in the silo or as hay**

It is used both as a green feed and as a fertilizer, and in both places deserves to occupy a very prominent position. As green feed sown with oats or barley early in the Spring, it fills a place that no other plant which we have can occupy. Pk. \$1.00, bu. \$3.50.

**If wanted by Parcel Post, add postage, 10 cents extra for first pound, 1 cent for each additional pound.**



Blue Ridge Ensilage Seed Corn

FIELD AND ENSILAGE SEED CORN

**Blue Ridge Ensilage Seed Corn.** A variety of Ensilage corn of great merit. Blue Ridge Ensilage is at least three weeks earlier than its famous prototype, Eureka Ensilage, with all its good qualities and none of its faults. It is a product of the Blue Ridge Mountains of West Virginia, bred for earliness so as to give a glazed ear in this locality at harvest-time. It grows 12 to 14 ft. high, on a thick, heavy stalk, well filled with leaves which retain their color well to the ground until harvested. The ears average 10 to 12 in. long; the grain is broad, thick and white, containing an unusual amount of sugar, making this variety the ideal ensilage corn, insuring an appetizing and good-keeping silage. (See illustration from an actual photograph, two-thirds natural size.) Pk. \$1.00, bus. \$3.50.

**Virginia-Grown Eureka Ensilage Corn.** It is the largest corn we know of; grows from 14 to 18 ft. high, on stalks 2 to 2½ in. in diameter, and has a vast amount of foliage. If it is a question of tonnage on your farm, grow Eureka Ensilage Corn. It gives you a succulent, palatable, cheap feed the year around. The seed we offer is the genuine Eureka, grown in the Shenandoah Valley of Virginia, and will give one of the largest crops of ensilage corn you have ever had. Pk. 85c., bus. \$3.

**Lancaster County Golden Sure Crop.** We have procured reliable seed stock from growers recommended to us by the Lancaster County Farm Bureau. This is a large-growing corn, 12 to 14 ft. high, with long ears and a large amount of leaves, making it an excellent silage corn. Will not mature for grain in a short season in Northern Pennsylvania and New York. Fine for silage in these locations. Pk. \$1.00, bus. \$3.00.

**Longfellow Flint.** This for a long time has been the popular, 8-rowed Yellow Flint corn. It is a very productive variety; ears 12 to 14 in. long and matures where the Yellow Dent fails. Pk. \$1.00, bus. \$3.00.

**West Branch Sweepstakes Ensilage Seed Corn.** This corn originated in Lycoming County, Pennsylvania. Our stock is original and is grown in Lycoming County. The genuine West Branch Sweepstakes is a big corn. The stalks are very large, 1½ to 2 in. in diameter and 12 to 15 ft. high. The foliage is long, broad, and heavy, starting well down to the ground, with an abundance of leaves, and produces from 15 to 25 tons of silage per acre. The ears are large, averaging 12 in. long and 10 in. in circumference, containing 14 to 20 rows of red and golden grains, with a decided reddish cast. Pk. 75c., bus. \$2.50.

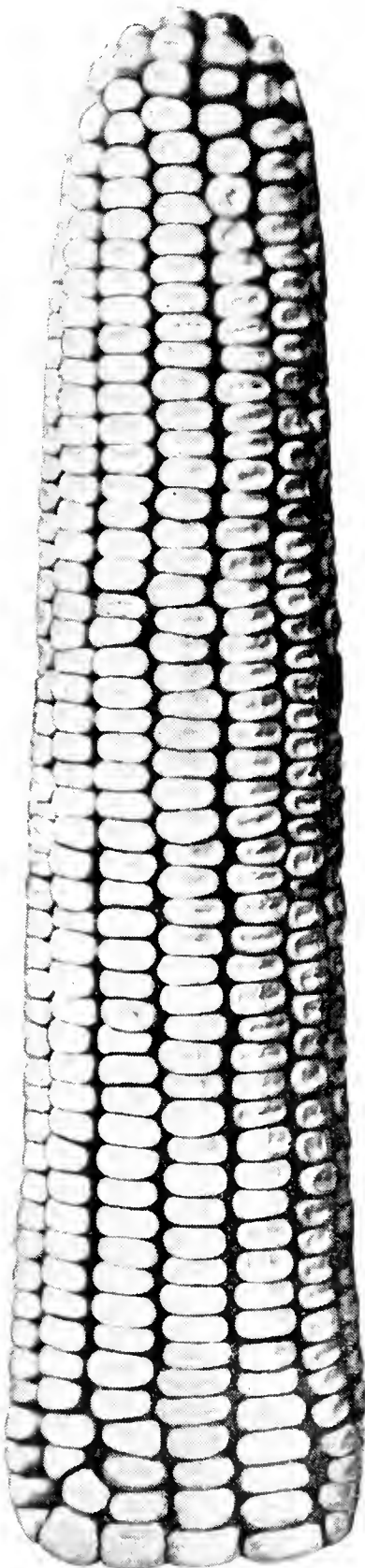
**Quenshenaque Yellow Dent.** An early-maturing Yellow Dent, grown and bred on the hills of Lycoming County. A corn of good size and a sure-cropper. It is a beautiful Yellow Dent with just enough White-Cap blood in it to give it strong vitality and early maturity. It matures in 90 to 100 days; the stalks are 7 to 8 ft. tall, and the ears 8 to 10 in. long. We feel safe in recommending this corn to the growers on hill farms on account of its extreme earliness and strong vitality. Pk. 65c., bus. \$2.00.

**White-Cap Yellow Dent.** This corn has never failed to mature properly; vigorous habit, large foliage, and a sure cropper. The ears are large—9 to 11 in. and 14- to 16-rowed—well filled out and showing practically no gloss whatever, thus demonstrating its well-bred propensities. The grains are large, beautiful lemon-yellow, and white-capped. Pk. 65c., bus. \$2.00.

Capacity of Silos			Silage for 200 Days			Average acreage required	Seed required qts.
Hght. feet	Diam. feet	Tons capac.	No. of animals to be fed	Lbs. fed per hd. per day	Tons silage required		
24	12	54	15	25	32.5	4	24
28	12	64	15	30	45.0	5	30
28	14	86	15	35	67.5	7	42
30	14	92	20	30	60.0	8	48
32	16	120	20	35	70.0	10	60
34	16	128	20	40	80.0	10½	65
32	18	162	25	35	87.5	13½	85
34	18	172	25	40	100.0	14	84
36	18	182	30	35	105.0	15	90

Seed corn costs less per acre than any seed you use. It is just simply good business sense to have only the very best. Why use "run-out" seed? It cuts both yield and quality.

In ordering Seed Corn by Parcel Post allow for postage and cost of bags.



West Branch Sweepstakes Seed Corn



**New Improved Semesan Jr.** Easy dust treatment; protects seed against rotting; improves stands; reduces seedling blight and increases yields. Average increase, 4 bu. per acre. 2 oz. 15c., 4 oz. 30c., lb. 75c., 5 lbs. \$3.25.



### SINGING CANARY BIRDS

Every bird guaranteed, is carefully selected for song and satisfaction.

**Male Choppers**.....Ea. \$ 5.95

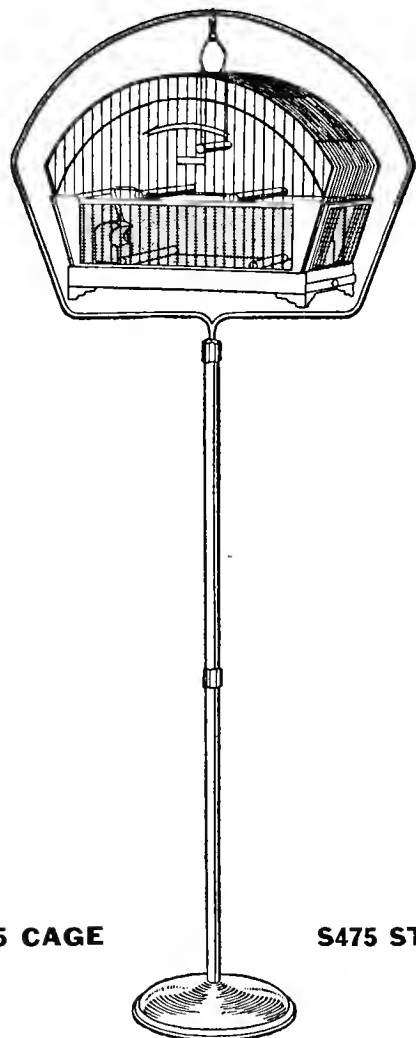
**Male Rollers**.....Ea. 5.95

**Norwich Canaries**.....Ea. 12.00

Birds can be shipped by express only.

### BIRD CAGES AND STANDARDS

We carry a line, chromium and artistically colored cages and standards in the New Duco Finish—blended in two tone combinations, plain base or the newer type with two drawer bases, one for gravel paper the other with stationary bath dish. Also brass cages. Cage and stand \$2.00 and up, each.



475 CAGE

S475 STAND

Size—18½ in. long, 9 in. deep, 13½ in. high.  
Finish—Lustrous chromium. Glass guards with bulb edge.....Ea. \$8.00

#### STAND

Height—5 ft., 4½ in. 2 piece upright, ⅞ in. diameter tubing. Full base cover.  
Finish—Lustrous chromium.....Ea. \$4.00

## PET DEPARTMENT BIRDS AND BIRD SUPPLIES

### BIRD FOODS AND REMEDIES

8-In-One Song Restorer with Cod Liver

Oil and Yeast, 25c.

8-In-One Song Restorer, Regular, 25c.

8-In-One Moulting Food, 25c.

Pulvex Insect Gun and Powder, 35c.

Cage Springs, 10c. and 20c.

Cage Hooks, 15c. and 20c.

Seed and Water Cups; Opal 15c., Non-breakable 25c.

Bird Bath Dishes, 10c.

Non-breakable Bath Houses in color, 35c.

Charm Bells, 10c.

Cuttle Bone Holders, 10c.

Our own selected Mixed Bird Seed 15c. and 20c. lb.

Silvertone, 25c.

Pulvex. A leading Lice and Flea Powder. 25c. and 50c.

Magic, 20c.

Canarydyne (for Colds), 25c.

Bulb Sprayers for Spraying Birds who will not bathe, 50c.

Cage Covers and Seed Catchers, 65c. and 98c. a set.

Sunflower, selected for parrots. Lb. 20c., 2 lbs. 35c.

Parrot Food Mixed. 18c. lb. bulk, 2 for 35c.

Parrot Grit, Bone-Builder, 15c. box.

Parrot Tonic, For Colds, 25c.

Fish Food Wafers, 10c.

Fish Food, Natural, 10c., 50c. and \$1.00.

Turtle Food. Contains ant-eggs, 15c.

Ich and Fungus Remedy and Tonic, 25c.

Glandex Tonic for Tropical Fish, 20c.

### BURNETT PRODUCTS

Burnett's Unexcelled Health and Song Restorer, 25c.

Burnett's Cod Liver Oil Bird Food, also a nestling food, 25c.

Burnett's Lightning Song Restorer, 25c.

Burnett's Mocking Bird Food, for soft billed birds, 40c.

Burnett's Glandex, New gland food for Tropical Fish, 20c.

### MIXED BIRD SEED

Contains all the necessary seeds to keep your bird in health and song. Lb. 20c., 10 lbs. \$1.50.

### SPECIAL BIRD SEEDS

Recleaned Canary Seed.....Lb. 20c.

Rape, Small Red Rubsen.....Lb. 20c.

Sunflower, Super Giant.....Lb. 20c.

Millet, Large Yellow.....Lb. 15c.

Hemp (Sterlized).....Lb. 15c.

Thistle.....Lb. 20c.

Flax, whole.....Lb. 15c.

Lettuce, white.....Lb. 25c.

Poppy or Maw.....Lb. 35c.

Teasel.....Lb. 50c.

### WILD BIRD SEED

Developed in cooperation with National Wild Life Federation and various Audubon Societies.

**Oriole Brand.** Lb. 10c., 5 lbs. 45c.

Add Postage When Ordering

### FULLSONG PRODUCTS

**Fullsong Health Food.** Is a song restorer and general builder containing in carefully balanced proportions all of the elements necessary to a canary's health. Every bird should receive one tonic dish full of Health Food each day, as it contains Cod Liver Oil but is not fattening. 25c.

**Fullsong Feather-Pulling Remedy.** Supplies the deficiencies in a bird's diet which cause this unpleasant practice. 25c.

**Fullsong Bird Bitters.** Is a liquid tonic. This preparation assists in purifying the blood stream and stimulates the appetite. 25c.

**Fullsong Mating Food.** Is a rich egg food and is used to build up the vitality of the birds at this period. 25c.

**Fullsong Nestling Food.** Will start the little birds through life in a proper manner. A fresh supply should be available to the parent bird at all times. 25c.

**Fullsong Moulting Food.** Is a very nourishing food producing feathers and building up the vitality of the birds. The birds should be fed a tonic dish full of this food once or twice daily until moulting is over. 25c.

**Fullsong Regulator.** Is an excellent preventive of colds, diarrhoea, and constipation. This should always be fed at the first sign of a cold or when the bird fluffs up and is inactive. One feeding a week will aid in preventing colds. 25c.

**Fullsong Cold Remedy.** Is very effective and should be added to the drinking water when the bird first begins to fluff up and appear dozey. Treatment should be continued until the bird is active and appears normal. 25c.

**Fullsong Asthma Remedy.** Quickly relieves suffering from asthma. This should be used for any bird that has difficulty in breathing and gasps or wheezes. 25c.

**Fullsong Vitamin.** Is a mixture of rare seeds. It acts as a tonic and song-restorer. 25c.

Fullsong Mixed Bird Seed (16-oz.), 25c.

Fullsong Mixed Bird Seed-Jr. (10 oz.), 15c.

Fullsong Bird Gravel (2 lbs.), 10c.

Fullsong Health Grit (Mag. & Charcoal), 30c.

Fullsong Love-Bird & Finch Seed, 25c.

Fullsong Color Food, 25c.

Fullsong Antiseptic Wash, 25c.

Fullsong Bird Peppers, 25c.

Fullsong Charcoal, 10c.

Fullsong Oil Tonic, 25c.

Fullsong Red Mite Powder, 25c.

Fullsong Red Mite Liquid, 25c.

Fullsong Footease, 25c.

Fullsong Parrot Food, 25c.

Fullsong Parrot Grit, 15c.

Fullsong Parrot Tonic, 50c.

Fullsong Fish Food with Shrimp, 10c.

Fullsong Wafer Fish Food, 10c.

Fullsong Turtle Food, 15c.

Fullsong Ant Eggs, 15c.

Fullsong Oval Bird Perches—assorted, 10c.

Fullsong Seed Gongs, 10c.

Fullsong Manna Buds, 5c.

Fullsong Cuttlebone, 5c.

Fullsong Canary Kit—contains Seed, Gravel, Health Food, Bitters, Treat Dish and Seed Gong, 75c.



# BERRY, FRUIT AND GARDEN SUPPLIES

## BERRY BASKETS Made of Sweet Gum

Standard quart and pint-size baskets for strawberries and other small fruits. Best quality. "Arrow Brand" berry baskets are superior to other makes. They are packed securely in cartons of 500.

**Arrow Brand.** Quart size, \$3.25 for 500.

**Anchor Brand.** Pint size, \$3.00 for 500.

## Peach and Tomato Baskets

**Peach and Tomato Baskets.** 16 qt. size, 7c. each, 75c. per doz., \$6.50 per 100.

**High Hat Peach Baskets.** 4 qt. 6c., each, 50c. doz.

**High Hat Peach Baskets.** 8 qt. 7c. each, 60c. doz.

**Bushel Baskets.** Round bottom. \$1.75 per doz., \$12.00 per 100.

**Bushel Basket Tubs.** \$1.75 per doz., \$12.00 per 100. (Covers extra).

**Tills, 2 qt. Pansy Baskets.** 3c. each, \$4.00 for 200.

**Tills, 4 qt. Pansy Baskets.** 4c. each, \$4.50 for 200.

## FLOWER POTS Bird's Flower Pots IMPROVED NEPONSET

Extensively used for shipping plants, starting seeds and seedlings.



## NEPONSET PAPER POTS For Growing and Shipping

Size	Green for Growing		Red for Shipping	
	100	1000	100	1000
2 in.....	\$0.65	\$5.65	\$0.50	\$3.80
2 1/4 in.....	.70	5.90	.55	3.90
2 1/2 in.....	.75	6.25	.60	4.10
3 in.....	.85	7.15	.65	5.35
3 1/2 in.....	1.05	9.40	.75	6.75
4 in. (Packed 500 to case) ..	1.20	10.85	1.00	8.40

## EARTHEN FLOWER POTS Standards

Size	Pots		Saucers	
	Each	Doz.	Each	Doz.
3 in.....	\$0.03	\$ 0.25	\$0.03	\$0.25
4 in.....	.04	.40	.03	.30
5 in.....	.06	.65	.04	.40
6 in.....	.10	1.00	.05	.60
7 in.....	.15	1.65	.07	.75
8 in.....	.20	2.35	.10	1.00
9 in.....	.35	3.75	.15	1.50
10 in.....	.50	5.00	.20	1.80
12 in.....	1.00	10.00	.25	2.50

**EARTHEN AZALEA AND BULB PANS**  
6 in. to 10 in.  
Same prices as standards.

## GARDEN TROWELS

**No. 205**—Socket Garden Trowel.....\$0.75

**No. 211**—Garden Trowel, Forged Steel. .75

**No. 212**—Garden Trowel, Steel Blade.. .25

**No. 2120**—Socket Garden Trowel..... .35

**No. 216**—Ladies Flower Trowel..... .20

**No. 217**—Transplanting Trowel..... .25

**No. 100**—Garden Beauty, Ladies floral Set..... .70

## GARDEX GARDEN TOOLS

**No. 750**—Hollow Planter.....\$0.35

**No. 732**—Midget Culti-Hoe..... .50

**No. 713**—Midget Cultivator..... .40

**No. 721**—Midget Culti-Spade..... .45

**No. 700**—Junior Weeder..... .25

**No. 717**—Steel Hand Broom..... .65

**No. 710**—One-Prong Cultivator..... .25

**No. 714**—Midget Culti-Weeder..... .50

**No. 751**—Dibble..... .80

## PENCILS

Weather proof pencils for marking labels used out of doors. Will not rub off nor fade. 10c. each.

## SPRINKLERS

**Rubber Sprinklers.** 6 oz., capacity. 50c.

**Rubber Sprinklers.** 8 oz. capacity. 90c.

## SOIL TEST KIT

**Lamotte Soil Test Kits**.....\$2.00

**Lamotte Soil Extra Filler**..... 1.00

## GLAZING POINTS

**Peerless Glazing Points.** 75c. per 1000.



## DIRT-PROOF, WASHABLE GARDEN GLOVES

**All Leather and Durable yet Soft as Kid and Easy to Wear**

*For Men and Women*

Eezy Wear gives you everything you've been wanting in a garden glove: all leather protection from dirt, scratches, stains, infection—yet permit almost barehand freedom.

Sizes for women (small, medium, large)—for men (small, medium, large). 75c. a pair.

## PLANT TUBS

**Richmond Cedar Plant Tubs.** Made with Virginia White Cedar, with metal feet, extra heavy flat steel hoops and metal handles.



No.	Top, Inches	Bottom, Inches	Depth, Inches	Each
<b>1R.</b>	12	9 3/4	10 5/8	\$2.15
<b>2R.</b>	13	10 3/4	12 3/4	2.75
<b>3R.</b>	14 1/2	12	14 3/4	3.50
<b>3 1/2 R.</b>	16 1/2	14 1/2	15 3/4	4.50
<b>4R.</b>	19 1/2	17 1/4	16 1/2	5.00
<b>5R.</b>	22 1/2	20 1/4	18 1/2	6.50

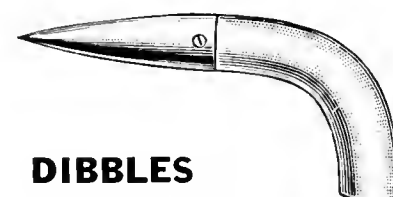
Painted green, with hoops and handles painted black. Inside measurements.

## LAWN RAKES



**Broom Rake.** A general outdoor broom for lawns and gravel paths. \$1.10, postpaid \$1.20.

**Bamboo Metal-Grip Lawn Rake.** Not the old flimsy kind. Made to last. 18 in. 50c., 24 in. 80c., 30 in. \$1.30.



## DIBBLES

**No. 218.** Bent wood handle. Steelpoint 75c., postpaid.  
**Brasspoint.** 90c.

## JAPANESE CANE STAKES

These are very attractive for all purposes of plant staking, thin and very strong. 3 ft. green 15c. dozen, 85c. hundred. 6 ft. natural, 85c. dozen.

## RAFFIA

**Raffia.** For tying. Green 75c., plain 50c. lb.

## HOTKAPS

	Per 1000
1,000 or more	\$10.75
5,000 or more	10.50
10,000 or more	10.25
25,000 or more	10.00
Steel Tamper	.25



Hotkap Home Garden Package, 25 Hotkaps and Cardboard Setter..... \$0.50  
Special 100 package, containing 100 Hotkaps, garden setter and tamper. 2.75  
Special 250 package, containing 250 Hotkaps, garden setter and tamper.. 4.00  
Steel Hotkap setter and tamper..... 1.50  
Garden Setter..... .50  
Shipping weights, 28 lbs. per 1000 HOTKAPS.  
Special 100 package, 5 lbs. Special 250 package, 9 lbs. Steel HOTKAP setter and tamper, boxed 4 lbs.

# INSECTICIDES AND FUNGICIDES

Prices on Dry Insecticides subject to market change.

**PLEASE NOTE:** If wanted by Parcel Post add for postage as follows: 10c. for 1 lb., 15c. for 2 lbs., 20c. for 5 lbs., 30c. for 10 lbs., up to and including the third zone; for other zones please add additional postage.

Directions For Using Any of the Following Will Be Found On Each Package

**Antrol.** The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating insects. It is composed of small glass containers and a special formula of syrup. Antrol sets containing 4 ready filled ant feeders 40c., extra ready filled feeders 10c., 4 oz. bottle syrup 35c., pints 85c.

**Atlacide** (Calcium Chlorate). A non-poisonous Weed Killer. Lb. 50c., 5 lbs. \$1.50.

**Arsenate of Lead** (Powdered). Lb. to 1½ lbs. dilutes to 50 gallons of water or may be used dry like Paris Green. Lb. bag 30c., 4-lb. bags 70c.

**Arsenate of Calcium.** Used in control of potato bugs, Mexican bean beetle, tomato and cabbage worms and many other chewing insects, which attack vegetables. Mixed easily with water and can be used either spray or dust. Lb. 25c., 4-lb. bags 45c.

**B-B Bean Beetle Dust.** This is a dust made especially to control both bean beetle and red spider on beans. It contains 50% Rotenone (2.00% active resins) and 15% sulphur which also controls mildew and fungous diseases. Packaged: 5-lb. bags, 65c., 25 lb. \$2.75, 50 lb. \$5.50, and 100-lb. drums, \$10.00.

**"Black Leaf 40".** Per oz. bottle 35c., 5-oz. bottle \$1.00, lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.60.

**Bordeaux Mixture** (Powder). 12¾% copper mixture, for spraying purposes. Lb. 30c., 4-lb. bags 65c.

**Blue Stone** (Copper Sulphate). Crystals. For making Bordeaux Mixture; best known remedy for blight. Lb. 10c., 10 lbs. 90c., 100 lbs. \$6.00.

**Bug and Blight Dust.** 20% Copper (Monohydrated), 20% calcium arsenate, 60% lime (Chemical) for control of insects and blights on potatoes and other vegetables. 5 lbs. 50c., 25 lbs. \$1.50, 100 lbs. \$5.50.

**Calcium Chlorate.** Kills all weeds including poison ivy. ½ lb. to 1 gal. of water and sprinkle on plants to be killed. 100-lb. drums, lb. 15c.; 50-lb. drums, lb. 17c.; 15-lb. pkge., lb. 27c.

**Copper Solution Ammoniated.** A fungicide, the essential ingredient, carbonate of copper, being dissolved in ammonia. Controls practically all fungous diseases—mildew, black spot, rusts, blights, etc.—and does not harm or stain the most delicate foliage. ½ pt. 50c., pt. 85c., qt. \$1.50, gal. \$3.25.

**Carbon Disulphide Merck.** For the extermination of woodchucks, ground squirrels, moles, mice. Also used in wheat bins to control weevils. Lb. can 50c., 5 lbs. \$1.75.

**Ceresan** (New Improved). A new low cost grain disinfectant. Costs only 1⅞ to 2⅓ cents per bushel. Unusually effective in controlling bunt or stinking smut of wheat, covered smut and stripe of barley, and oak smut. 1 lb. treats 32 bus. of wheat, oats, or barley. Lb. tin 75c., 5-lb. tin \$3.25.

## CUPROCIDE 54-Y

**Cuprocide 54-Y.** The new yellow copper oxide spray, is an effective and safe spray for vegetable seedlings. It is particularly recommended as a field spray for potatoes, tomatoes, celery, and vine crops in place of Bordeaux mixture. Packed in 3-lb. bags, 37c. lb.

**Cuprocide** (Red Copper Oxide). Specially prepared for use on soils and plants, to prevent the hunger disease known as Damping Off. 4 oz. 35c., lb. 90c., 5 lbs. \$4.00.

**Cyanogas** (Calcium Cyanide) (G. Fumigant). A valuable insecticide for greenhouse fumigation, for destroying aphids, white fly, soft scale, thrips, etc., 5 lbs. \$3.00, 25 lbs. \$10.00.

**Cyanogas** (Calcium Cyanide) (A Dust). For killing rats, moles, woodchucks and other rodents. ½ lb. 45c., lb. 75c., 5 lbs. \$3.00.

**Derrisol.** Kills by paralysis. Non-poisonous. Efficient for the control of aphids and many other soft bodied sucking insects as well. 1 oz. bottle makes six gallons, 35c., ½ lb. bottle \$1.35, lb. can \$2.50.

## NEW EVER GREEN SPRAY

**Ever Green Spray.** Deadly to insects—both chewing and sucking. Non-poisonous to people and pets. Pyrethrum base. Oz. 35c., 6 oz. \$1.00.

**Formaldehyde.** Pt. 35c., qt. 60c., gal. \$1.50.

**Fumetobac** (for burning). A high nicotine content tobacco dust, for greenhouse fumigation. 100 lbs. \$14.00, f.o.b. Elmira, N. Y.



**Fungtrogen.** A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. Dilutes 1 part to 60 parts of water. 75c. per ½ pt., pt. \$1.25.

**Garden Guard.** A combined insecticide and fungicide, for the control of many chewing insects and fungous diseases. Can be used as a dust or spray. ½ lb. carton 20c., lb. carton 35c., 4-lb. bags \$1.00.

**Grape Dust.** A powder preparation used for mildew, aphids, black fly and other insects and fungous diseases, principally in greenhouses. Lb. 35c., 5 lbs. \$1.25.

**Grafting Wax.** For all pruning and grafting purposes. Used when trimming trees and shrubbery. Gives needed protection. ¼-lb. pkge. 20c., ½-lb. pkge. 30c., 1-lb. pkge. 50c.

**Lethane 440.** A highly concentrated and very effective insecticide for control of both chewing and sucking insects. Now being used successfully for mealy bug. Oz. 35c., qt. \$2.50, gal. \$7.00.

**Lethane Spreader.** Gal. \$1.80.

**Lime Sulphur Solution.** For scale insects on trees and shrubs. Qt. 50c., gal. 85c.

**Lime Sulphur** (Dry Powder Form). Applied as a dormant spray in the Fall after the leaves drop or in the Spring before the buds open to destroy San Jose scale and fungous spores of apple scab, peach rot, leaf spot, etc. One-half pound will make five gallons. Lb. 30c., 12½ lb. bag \$1.50.

**Liquid Slug Shot.** A concentrated spray foliage that combines Rotenone and Pyrethrum in the proper proportions with a spreader and a very effective fungicide. Safe—and easy to use. Oz. 25c., 6 ozs. \$1.00, qt. \$4.00.

**Lucky Strike Garden Spray.** Non-poisonous, Double Acting Insect Spray. Pyrethrum, Spreader, Rotenone. Kills chewing insects when they feed. And sucking insects—when it hits them. This complete combination spray is without question one of the strongest non-poisonous insecticides in the world, containing 2½% Rotenone and 1.8 gram of Pyrethrum per 100 c.c. combined with the most neutral spreading agent known. Oz. 35c., ¼ pt. 85c., ½ pt. \$1.40.

**Lucky Strike Rose Combination.** Offers complete protection against insects and diseases. Triple acting. Kills leaf eating insects through stomach with Rotenone, kills sucking insects such as aphids and the soft body lice with Pyrethrum, controls fungous diseases with Ammonia Copper Solution. Kit No. 1 (makes 16 qts.) 75c., Kit No. 2 (makes 64 qts.) \$2.00.

**Lucky Strike Rotenone Dust 1%.** This is the strongest concentration of dust recommended for general use. It contains 1% of stabilized Rotenone, thoroughly intermixed and milled. Use either as a dust or wet spray (1 lb. to 10 gals. water). Packaged: lb. bags 25c., 4-lb. bags 75c., 100-lb. drums \$16.00.

**Monohydrated Copper Sulphate.** For destroying fungous diseases of all kinds. Combine with lime and use as a dust. Lb. 15c., 100 lbs. \$11.00.

**"Nico-Fume" Pressure-Fumigator.** This "Nico-Fume" Powder is now supplied in special pressure-fumigation tins, in which the powder is burned under pressure, producing finely-divided fumes, that quickly kill the insects. Results: Greater economy and increased efficiency. One 1-lb. Pressure-Fumigator, 75c., One ½-lb. Pressure-Fumigator, 45c., 12 1-lb. Pressure-Fumigators, \$7.00, 12 ½-lb. Pressure-Fumigators, \$4.20.

## INSECTICIDES and FUNGICIDES — Continued

**Naphthalene Flakes Treatment of Gladiolus Bulbs for Thrips.** Sprinkle the flakes among the bulbs, using 1 oz. to 100 bulbs, or about 1 lb. to a bus. of bulbs. Application may be either in the Fall or before planting in the Spring. Lb. 15c. (postpaid 25c.), 5 lbs. or more 13½c. lb.

**Nico-Fume** (Liquid). For use as a spray or vapor, for controlling green fly, aphids, etc., in greenhouses and outdoors. 8 lbs. \$10.00.

**Paradichlorobenzene.** For peach tree borers. Full directions on each package. Do not use on very young trees. When planted around base of a peach tree it generates a gas that kills the borer in that tree. Lb. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$5.75, 50 lbs. \$11.00.

**Paris Green.** A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. ¼ lb. 20c., ½ lb. 30c., lb. 50c.

**Pomo-Green with Nicotine.** The leaf-green all-in-one Dust or Spray. A combination material which controls fungous diseases. Lb. can 75c., 5-lb. can \$3.00.

**Pomo-Green without Nicotine.** (For use as dust only) Is highly recommended where aphids or other sucking insects are not present. Lb. 50c., 5 lbs. \$1.75.

**Pyrox** (Nicotine). Kills both chewing and sucking insects; controls blight and other diseases. Just mix with water. 17.6 ozs. 49c., 5 lbs. \$1.75, 10 lbs. \$3.00.



**Red Arrow Garden Spray.** Kills many varieties of both sucking and chewing insects on vegetables, flowers, fruits. Red Arrow is a highly concentrated pyrethrum extract, containing soap. Non-poisonous. Use as directed. Will not injure foliage. Oz. 35c., ¼ pt. \$1.00, pt. \$2.85, gal. \$9.90.

**Red "A" Soap.** A neutral liquid potash coconut oil soap. An activator and spreader. When used with insecticides decreases cost of finished spray. ½ pt. 35c., qt. \$1.00, gal. \$2.40, 5 gals. \$11.75.

**Red River Potato Mix.** A scientific development combining a new patented copper fungicide with quick killing arsenic. Kills potato bugs quicker, drives off flea beetles and leaf hoppers, prevents blight from gaining a foothold, stimulates foliage, makes more and better potatoes. Complete control in one operation—at one cost. Lb. bag 30c., 4-lb. bag 80c.

**Rotocide.** A standard rotenone spray. Kills both by contact and through the stomach, absolutely harmless to man, animal or bird life. Rotocide spray is complete. No spreader required, just add water. Oz. bottle 35c., 8-oz. can \$1.00, pt. can \$1.75, qt. can \$3.00, gal. can \$8.00.

**Selocide.** A poisonous contact spray for red spider only. 1 gal. \$3.00.

**Semesan** (DuBay). A mercuric disinfectant for the control of many seed, plant and soil diseases. One ounce treats 15 lbs. of seed. ⅓ oz. 10c., per 2 ozs. 35c., lb. \$2.25.

**Semesan Bel** (DuBay). For treating seed potatoes before planting; controlling seed-borne diseases. Lb. treats 60 to 80 bus. of seed. Per 4 ozs. 50c., lb. \$1.50, 5 lbs. \$6.50.

**Semesan Jr.** (DuBay). Controlling seed-borne diseases of field seed and sweet corn; protects the seed from rotting in the ground. 2 ozs. 15c., 4 ozs. 30c., lb. 75c., 5 lbs. \$3.00.

**Scalecide.** Used for the destruction of the San Jose Scale. Scalecide does not clog nozzles, hose or pump and is pleasant to use. Spray during the Winter or early Spring when the trees are dormant. Qt. 65c., gal. \$1.55, 5 gals. \$5.50, 15 gals. \$11.25, 30 gals. \$18.50, 50 gals. \$26.00.

**Slug Shot Dust.** The standard remedy containing Rotonone for currant worms, rose slugs, cabbage worms, and soft shelled insects that infest the vegetable or flower garden. Lb. carton 25c., 5 lbs. 85c., 25 lbs. \$3.00, 125 lb. keg \$12.50.

**Snarol.** For control of cutworms, snails, slug. Non-injurious to vegetation and very economical to use on account of its insolubility in water. 1½ lbs. 35c., 4 lbs. 85c.

## SULFOCIDES

*A Better Summer Spray*

**Sulfocide.** An effective summer spray for the control of scale and blackrot on fruit trees, mildew, and blackrot on roses, etc. Per pt. 50c., qt. 85c., gal. \$2.25.

**Sulphur, Commercial Flour Sulphur—99.5% Pure.** Recommended for the manufacture of Lime-Sulphur solution and for self-boiled lime and sulphur. Also as a soil correction on alkali soils and sealing seed potatoes. Lb. 10c., 100 lbs. \$4.00.

**Sulphur—Wettable.** An improved dusting sulphur for home use which can also be used as a liquid spray. Recommended for Mildew, Black Spot and Rust. 2 lb. carton 25c.

**Tartar Emetic.** A treatment for the control of thrips on Gladiolus growing in the field or greenhouse. It does not injure the Gladiolus foliage as does Paris Green and Brown Sugar combination. Oz. 20c., lb. 79c.

The following amounts are recommended:  
Tartar Emetic 2 oz. Brown Sugar 8 oz.  
Water 3 gal.

Larger quantities—  
Tartar Emetic 4 lbs. Brown Sugar 16 lbs.  
Water 100 gal.

**Tobacco Dust** (For Dusting). Repellent for most insects, bugs and worms infesting the garden. Lb. 10c., (prepaid 20c.), 5 lbs. 35c., (prepaid 50c.), 10 lbs. 60c., 25 lbs. \$1.25, 100 lbs. \$3.50.

**Tobacco, Mulching** (Repellent for many insects.) Our mulching tobacco is high grade ground tobacco stems, containing all the natural plant food and nicotine. It is very rich in nitrogen and potash, the two plant foods which are most desired for the growing of all horticultural and floricultural plants. 100 lbs. \$3.50.

**To-Na-Cide.** Used as a soil treatment for control of thrips, sow bugs, all worms, etc. Use 1 lb. to 40 sq. ft. of surface. 5 lbs. \$1.75, 25 lbs. \$7.00, 50 lbs. \$11.00, 100 lbs. \$16.00.

**Tobacco Powder, Eureka.** Our Eureka Tobacco Powder is finely powdered whole leaf tobacco containing 1% Nicotine, and chiefly used for dusting plants to kill insects such as aphids, thrips, midge, sow bugs, slugs, root aphids and strawberry root worm. Per 100 lbs. \$3.50.

**Tree Tanglefoot.** A paste preparation painted around the trunks to keep caterpillars, etc., from crawling into the trees. One pound makes from 12 to 15 lineal feet of band. 6 ozs. 35c., lb. 60c., 10 lbs. \$4.35.

**Tree Wound Paint.** Prevents decay after pruning. Stops tree bleeding. This residual, penetrating, antiseptic paint is not affected by cold, heat or moisture. Does not peel, crack or get brittle. ½ pt. can 40c., qt. \$1.25, gal. \$3.00.

**Tri-Ogen.** Insect spray and Fungicide Rose Garden spray treatment, especially recommended for flowers. Convenient, easy and pleasant to use. Triple acting. Small kit (makes 16 qts.) \$1.50. Medium kit (makes 64 qts.) \$4.00.

**Volck, Nursery.** Effectually controls aphids, mealy bug, white fly, thrips, etc., while for red spider and scale insects upon evergreens it is unequalled. Does not discolor foliage. ½ pt. 35c., qt. 75c., gal. \$2.25.

**Volck, Garden.** Containing both nicotine and soap, resulting in practically a complete spray, insecticide, fungicide and ovicide. Effective against aphids, cyclamen mite, white fly, chrysanthemum midge, rust, and mildew. 3½ oz. bottle 35c., pt. \$1.00, qt. \$1.50.

**Volck, Greenhouse.** Designed primarily for use under lath and glass. Used on plants and shrubs that are too tender for other sprays. Practically all tender foliage can be treated with Greenhouse Volck with a wide margin of safety. Qt. 75c., gal. \$2.00.

**Weed Killer** (Hammonds). Destroys weeds in paths, roads, gutters, drives, etc. Kill roots and tops of all weed and grass growth. Very effective in walks and cobbled gutters without injury to road-bed. Does not discolor cement. Qt. can 50c., gal. can \$1.50, 5-gal. can \$6.25.

**Whale Oil Soap.** Safely destroys aphids. The ideal spreader. Used alone is a good treatment for San Jose Scale and other bark lice. ½ pt. 35c., qt. \$1.00, gal. \$3.00.

**Insecticides Subject to Market Changes. Dealers and Large Users Please Write for Quantity Prices.**

**PLEASE NOTE:** If wanted by Parcel Post add for postage as follows: 10c. for 1 lb., 15c. for 2 lbs., 20c. for 5 lbs., 30c. for 10 lbs., up to and including the third zone; for other zones please add additional postage.



## TOOLS AND REQUISITES

Prices subject to change without notice

### RUBBER PLANT SPRINKLERS

**No. 28A.** 8-oz. angle neck. 90c., postpaid 98c.

**No. 23.** Straight neck. 90c., postpaid 98c.

**Spray Bulb.** 4-oz. capacity 50c., postpaid 55c.

### HOES

**A Complete Line of Garden, Field Hoes.** 45c. up.

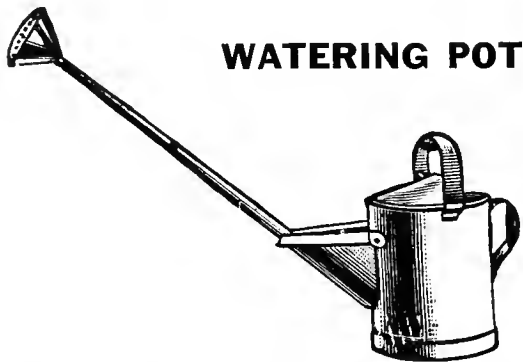
**Floral Hoe.** 4 in. 75c., 5 in. \$1.00, 6 in. \$1.10.

### LABELS

**Tree Labels.** 3½ in., painted, copper wired, 40c. per 100, \$2.50 per 1000.

**Garden or Pot Labels.** Wood, painted.

Width	100	1000
4x⅝ in. ....	\$0.30	\$2.25
5x⅝ in. ....	.40	2.50
6x⅝ in. ....	.45	2.75
8x⅝ in. ....	.75	6.00
10x⅝ in. ....	.85	7.00
12x1½ in. ....	1.35	10.50



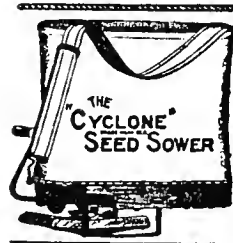
### WATERING POTS

**Philadelphia Pattern, Round.** With long spout and 2 brass face roses. 6 qts. \$4.80, 8 qts. \$5.00, 10 qts. \$5.40, 12 qts. \$5.95. Extra roses for above. Each 75c.

### CAHOON SEED SOWER

Sows timothy, clover, oats, wheat, rye, etc. \$5.00, postpaid \$5.25.

### THE CYCLONE SEED SOWER



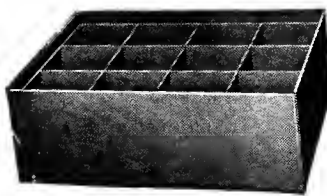
*The CYCLONE  
is the Best Selling  
Broadcast Seed Sower  
in the World!*

Practical and all-around, first-class grain and grass seeder. \$2.75, postpaid \$2.85.

### HORN SEED SOWER

90c., postpaid \$1.00.

### DIRT BANDS



Plants grown in dirt bands are not injured in transplanting, as the root system is not disturbed. The bands, being square, they do not take up as much room as pots and do not dry out so quickly.

**No. 2**—Size 2x2, depth 2½ in. 100, 50c., 1000, \$4.00.

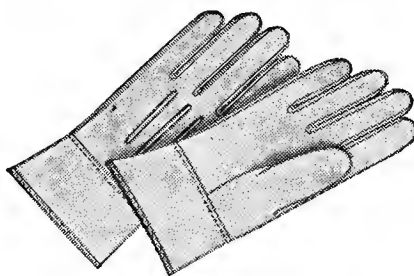
**No. 3**—Size 3x3, depth 3 in. 100, 75c., 1000, \$6.00.

### HOSE GUN



The modern garden hose sprayer operates by water pressure. Chrome plated and packed in individual cartons. All metal cartridge type \$2.75 each. Clearview cartridge chamber (Transparent) \$3.50 each. Cartridges for control of insects and fungus diseases 25c. and 30c. each.

### RUBBERIZED WORK GLOVES



**No. 9012**—Will keep your hands warm and dry. A glove that can be used in handling any kind of liquid, spray solutions, spraying, car washing, etc. Gives complete protection to the hands. Pair 40c., postpaid 45c., 2 prs. 75c., postpaid 85c.

**No. 3002B**—Ladies size. Pr. 35c., postpaid 40c., 2 prs. 65c., postpaid.

### FORKS

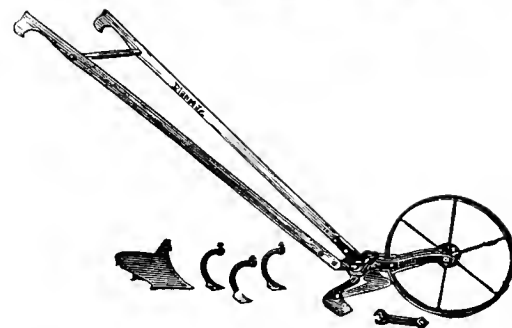
**Manure Forks.** D-handle and long handle. \$1.75 to \$2.75.



**Spading Forks.** 95c. to \$2.50.

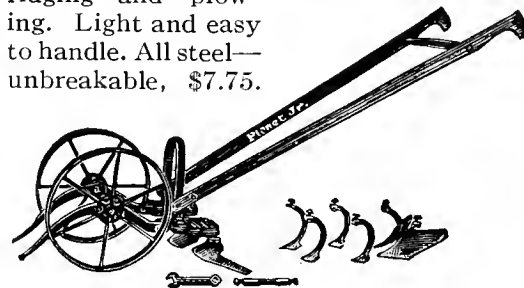
**D-Handle.** Flat 4-tine. \$1.40 to \$1.65.

## Planet Jr.



### No. 17, Planet Jr., Single Wheel Hoe.

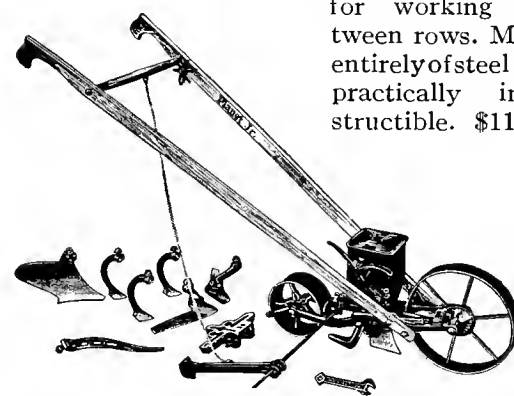
Very popular because equipment includes just the attachments needed in the average garden. A pair of 6-in. hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable, \$7.75.



### No. 12, Double and Single Wheel Hoe.

Equipment includes attachments needed in the average garden. One pair 6-in. hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20 in. high, cultivating both sides at once. Easily changed to a Single Wheel Hoe

for working between rows. Made entirely of steel and practically indestructible. \$11.50.



### No. 4, Combined Hill and Drill Seeder and Single Wheel Hoe.

The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 in. apart. A plow adjustable for depth opens a straight narrow furrow, the seeds are dropped in it, are covered and the soil firmed and the next row marked out all in the same operation. Converted into a Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely. \$18.75.

## FERTILIZERS and PLANT FOODS

**Acid Phosphate or South Carolina Rock.** 16 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid content. 125-lb. bag \$1.75.

**Adco.** Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes  $\frac{1}{2}$  ton of manure. 7 $\frac{1}{2}$  lb. pkg. \$1.00, 25 lbs. \$2.00.

**Aluminum Sulphate** (For Rhododendrons and Azaleas). Lb. 10c., 5 lbs. 45c., 10 lbs. 75c.

**Asparagus Salt.** Applied in Spring 600 to 800 lbs. per acre; for destroying weeds. 10 lbs. 25c., 50 lbs. 75c., original sack 100 lbs. \$1.25.

**Blood, Dried.** For indoor and outdoor culture of flowering plants, like Roses, Carnations, etc., its chief element being nitrogen. Fine for ferns. Lb. 10c., 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.75.

**Bonemeal, Steamed (2.47-5).** A pure soft bone, splendid for building up worn-out soil, lawns, etc. Lb. 10c., 3 lbs. 25c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.75.

**Bonemeal, Raw (3.7-48).** Will not burn. A high class, slow acting fertilizer. Lb. 10c., 10 lbs. 60c., 25 lbs. \$1.00, 100 lbs. \$2.75.

**Bovung.** Plain, dried cow manure; absolutely free of live weed seeds. Will not burn. 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.75, 500 lbs. \$12.50.

### COMMERCIAL FERTILIZERS

**Farm Grain Fertilizer (2-9-5).** A balanced commercial fertilizer for the growing of corn, oats and other farm grain crops. 125-lb. bag \$2.00. Ton prices on application.

**General Garden Fertilizer (5-10-5).** Specially formulated to stimulate deep root growth, high grade and generous production of fine, compact flowers and vegetables. An excellent all round fertilizer for the garden. Use at the rate of 1000 lbs. per acre. Used between the rows when plants are growing. 4 lbs. per 100 ft. Nitrogen 5 per cent. Available phosphoric acid 10 per cent. Potash 5 per cent. Apply 100 lbs. to 5000 sq. ft. (50 x 100). 5 lbs. 25c., 10 lbs. 45c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.25. Quantity prices on request.

**Potato Fertilizer (3-12-6).** A scientific balanced commercial fertilizer for growing potatoes and other root crops. Apply 800 lbs. per acre. 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.25. Quantity prices on request.

**Cotton Seed Meal.** Very rich in potash and ammonia. Fine for Rhododendrons and Azaleas. Lb. 6c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.50.

**Cow Manure Pulverized** (Wizard Brand). For garden, lawn and greenhouse, and especially good to mix with compost. 10 lbs. 60c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.75.

**Kainit** (Potash Salts). Fine for asparagus. Lb. 5c., 10 lbs. 45c., 25 lbs. 85c., 100 lbs. 2.00.

**Lime, Hydrated or Powdered.** Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or  $\frac{1}{2}$  ton on lawns. 10 lbs. 25c., 50 lbs. 60c., ton \$14.00.

**Milorganite.** Is a natural organic plant food, not a synthetic fertilizer. It is rich in organic nitrogen and the rare elements. Produced by scientific processes, it is free from weed seeds and harmful organisms of all kinds. Easy to apply—non burning—long lasting. 100 lbs. \$3.00, 50 lbs. \$1.75, 25 lbs. \$1.00.

**Muriate of Potash.** Analysis, equal to 50 cent actual potash. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.50.

**Nitrate of Soda.** Apply 100 to 150 lbs. per acre, mixing with acid phosphate or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. Lb. 10c., 5 lbs. 35c., 10 lbs. 60c., 25 lbs. \$1.00, 100 lbs. \$2.75.



**Peat Moss** (Granulated). The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive.  $\frac{1}{2}$  peck 15c., 1 $\frac{1}{2}$  pecks 35c., bus. 60c., bales \$4.20.

**Sheep Manure** (Wizard Brand). Apply 1000 lbs. per acre. The analysis shows it to be the most perfect balanced plant food. For garden, lawn or greenhouse, nothing surpasses sheep manure. It is clean and easily handled. Gives immediate results. 5 lbs. 35c., 10 lbs. 60c., 25 lbs. 90c., 50 lbs. \$1.60, 100 lbs. \$2.75, 500 lbs. \$12.50.

**Sulphate of Ammonia.** Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. Will stimulate growth almost immediately. 5 lbs. 35c., 10 lbs. 60c., 25 lbs. 90c., 50 lbs. \$1.50, 100 lbs. \$2.75.

**Sacco.** A specially prepared plant food. Very highly recommended by florists, estates, market gardeners, etc., for lawns, flowers, vegetables, house plants, shrubbery, trees, etc. Rich in life giving nitrogen, phosphates and potash. Contains tobacco stems and manganese sulphate. Lb. 10c., 5 lbs. 40c., 10 lbs. 70c., 25 lbs. \$1.40, 50 lbs. \$2.40, 100 lbs. \$3.50.

**Sulphate of Potash.** Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for roots and grain crops. Analysis equal to 50 per cent of actual potash. 5 lbs. 40c., 10 lbs. 70c.

### STIM-U-PLANT

**Plant Food Tablet.** Unexcelled for Roses. Use it and you will have far more beautiful flowers and plants, better fruit and vegetables and in far greater quantities. 10 tablets for 10c., put up in packet form; 30 tablets for 25c., 100 tablets for 75c., 500 tablets for \$2.50 and 1000 tablets for \$3.50, postpaid.

**Salt.** For dairy use. 50 lbs. 75c., 100 lbs. \$1.25.

**Tankage.** 6 per cent nitrogen. Lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 25 lbs. \$1.25.

**Tobacco Stems.** For fumigating, mulching and fertilizing. Lb. 5c., 25 lbs. \$1.00, 100 lbs. \$3.50.

## VIGORO

*Complete plant food*

**Vigoro.** Beautify your home with shrubs, trees, lawns, and flowers. Make sure they receive the food elements needed for fine, sturdy growth. Feed them Vigoro, the complete plant food that contains all 11 of the plant food elements scientists have proved plants require from the soil. Lb. carton 10c., 5 lb. carton 45c., 10 lb. carton 85c., 25 lb. bag \$1.50, 50 lb. bag \$2.50, 100 lb. bag \$4.00.



**Wedo.** A scientific fertilizer that both feeds lawns and fights weeds. Sift Wedo on your lawn. Only a small amount is needed—one pound for every 100 square feet. No better fertilizer for lawns, fairways and greens. 25 lbs. \$1.70, 50 lbs. \$2.90, 100 lbs. \$5.00.



### FERTILIZER SPREADERS

#### Fertilizer and Lime Spreaders

Use a spreader to insure the proper distribution which gives the best results. Spreaders: 14 in. \$3.00, 16 in. \$6.30, 30 in. \$11.95.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.





### Milk Bottles

These Bottles are made by a factory that specializes in bottle-making. The glass is clear flint. The bottles are made with a long neck, and will show a deep cream-line.

	Doz.	Gross
½ pt. ....	\$0.55	\$4.95
Pt. ....	.65	5.90
Qt. ....	.80	7.70

### Milk Bottle Caps

These Caps are made from 40-point thick board, and are thoroughly waterproofed with paraffine. 35c. per tube of 500.



### Hooded Dairy Pail

Made from finest charcoal plate. One-piece retinned top or hood. Steel bail; reinforced ears. All seams sanitary soldered inside and out.

**P2214**—14-qt. .... \$1.00  
**Seamless Hood Pail, P8514**—14-qt. . \$3.50

### Bottle Brushes

**Hand.** 10-in. handle. .... \$0.50  
**Machine.** Short handle. .... .50

### Milk Bottle Cases

Quart standard (holds 12) \$1.65, pint standard (holds 20) \$1.75, ½-pt. standard (holds 20) \$2.00.

### Milk Strainers New Sanitary

Milk Strainer is made from heavy steel pressed in one piece, has heavy removable perforated steel well-tinned discs, between which you use the Sanitary cotton filter pads.  
**P19412**—12-qt. .... \$1.10

## DAIRY SUPPLIES



### Cream Pails

These Pails are made from 2X charcoal plate, mirror finish, very strong and durable.

**P17220**—20-qt., with Gauge and Faucet. .... \$2.50

### COTTON DISC

100, 6 in. ....	\$0.60
100, 7½ in. ....	.75

### Milk-Can Brushes

**Gong Ox-fibre, or Jersey.**  
 Ox-fibre. Each 55c.

### Rubber Aprons

Extra Heavy. \$2.50.

### Milk Cans or Kettles

Finest charcoal plate. Seamless cover and neck. Bottom reinforced with steel band. Heavy steel bail. Sanitary soldered. Full capacity.

<b>P2304</b> —4-qt. ...	\$1.35	<b>P2310</b> —10-qt. ...	\$2.00
<b>P2306</b> —6-qt. ...	1.60	<b>P2312</b> —12-qt. ...	2.20
<b>P2308</b> —8-qt. ...	1.75	<b>P2316</b> —16-qt. ...	2.55

### Marvelous New, Improved Stewart Electric Clipmaster No. 51

New, extra-powerful, ball-bearing motor completely self-contained inside the handle. Air-cooled by its own fan and ball-bearings for fast, cool, heavy-duty clipping. Years of experimental work produced this wonderful motor. Hard, all-day, heavy-duty tests have proved it far ahead of anything yet produced.

Smaller, more convenient handle, barely 2 inches in diameter. Perfect balance makes clipping easy and quick. Easy, comfortable grip in any clipping position.

Perfect insulation—chockproof. Impossible for any current to reach clipping head. No ground wire necessary. Uses little current—same as an ordinary light blue. \$19.95 ea.

### Milk Cans

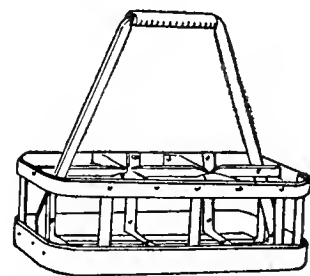
	20-qt.	30-qt.	40-qt.
<b>New York Pattern...</b>	\$4.25	\$5.00	\$5.50
<b>Cleveland Pattern...</b>	4.25	5.00	5.50

### Perfection Bottle-Carriers

Made of plain annealed steel bands. Will carry quarts, pints, and half-pints.

**6-bottle size.**  
 Pt. or qt. \$1.75 ea.

**8-bottle size.**  
 Pt. or qt. \$2.00 ea.



**Wyandotte Cleaner and Cleanser.** 5-lb. bag, postpaid 55c., keg (80 lbs.) \$4.90.

**Wyandotte Alkali Special Five Star.** 100-lb. keg \$6.15, 375-lb. bbl. \$20.00.

**S-H Sterilizer and Deodorant.** Qt. 90c., gal. \$2.00.

**Teat Tubes.** German silver. 25c.

**Wood, Brass-pointed Measuring-stick.** 75c. ea.

**Milk-stirrers.** 50c. ea.

## BARN EQUIPMENT STARLINE

**Unit System Stalls.** No. 10 Arch with curb clamps, bottom bar, double chain fastening and partition. Less stanchion, Each \$9.95.

**Stanchions.** Wood-lined, No. 280W. \$3.00.

**Stanchions.** Steel, No. 1211. \$3.20.

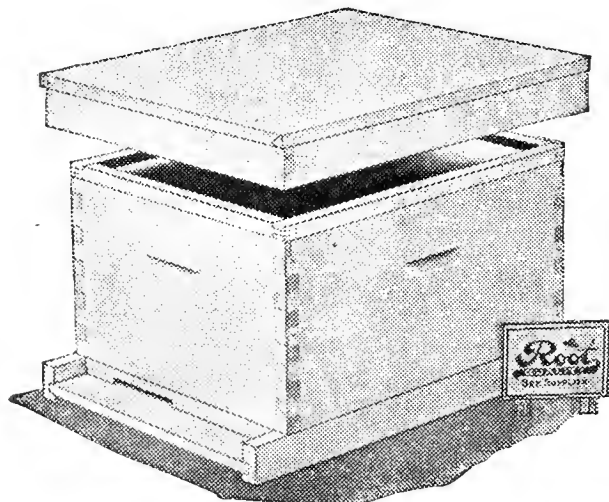
**Stall Partitions.** For cement floor and wood upright, No. 618. \$2.75.

**Water Bowls.** No. 77, \$2.90; No. 240, \$3.60.

**Milk Stools.** Galvanized finish, \$1.15.

We are agents for the Starline Barn Equipment. Drawings and estimates cheerfully given. Write us for catalog and prices on full line of barn equipment.

## ROOT QUALITY BEE SUPPLIES



We carry this wonderful line of bee supplies and can guarantee satisfaction or your money back. The Root company is the recognized leader in this line of manufacture. We will gladly mail a 64-page catalog containing a number of pages of helpful information. Every article has been carefully tested over a number of years in the bee yards. The slogan of this 69-year-old company is "Best By The Bee Test."

**One 10 FR. Standard Hive K.D.**  
 With frames, metal cover. .... \$ 3.50

**Five 10 FR. Standard Hives K.D.**  
 With frames, metal covers. .... 14.80

**One 10 FR. Hive Body K.D.** With-out frames. .... .90

**Five 10 FR. Hive Body K.D.** With-out frames. .... 3.70

**10 Standard Frames.** Full depth. . \$0.75

**100 Standard Frames.** Full depth. . 5.40

**100 Beeway Sections.** 4¼x4¼x1⅞. . 1.30

**500 Beeway Sections.** 4¼x4¼x1⅞. . 6.00

**10 Sheets, 3-Ply Foundation.**  
 Size 8x16¾ in. .... .95

**50 Sheets, 3-Ply Foundation.**  
 Size 8x16¾ in. .... 4.50

**5 Lbs. Thin Super Foundation** .... 3.50

**1 Lb. Thin Super Foundation** .... .75

**1 Standard Smoker** .... 1.00

**1 Indestructible Bee Veil** .... .75

**"Starting Right with Bees".**  
 (Book, 98 pages, 184 illustrations) .. .50

**Write For Free 64-Page Catalogue on  
Bee Supplies**

## POULTRY, HORSE AND CATTLE REMEDIES

### PRATT'S POULTRY REMEDIES

**Pratt's Poultry Regulator.** For health and eggs. Use it the year 'round. Pkgs. 25c. and 55c., 12½-lb. pkg. \$1.60, 25-lb. pail \$2.85.

**Pratt's N-K Capsules** (Split Action). For poultry worms. Pratt's N-K Capsules are quick, sure death for worms. Adults: 50 capsules 60c., 100 capsules \$1.00, 500 capsules, \$5.00. Chick and Pullett, 50 capsules 40c., 100 capsules 65c., 500 capsules \$3.00. Postpaid.

**Pratt's Disinfectant.** It is an economical, powerful, non-poisonous, coal tar disinfectant. Qt. 50c., postpaid 62c., ½ gal. 85c., postpaid \$1.00, gal. \$1.45, postpaid \$1.70.

**Pratt's Lice Killer.** For use on poultry in dust baths, nests, etc. In sifter cans, 30c. and 60c.; postpaid, add 8c. and 10c.

**Pratt's Chick Tablets.** Use in the drinking water for the first couple of weeks. Will save you many dollars in chicks. Pkgs. 30c. and 60c. postpaid.

**Pratt's R-P Tablets.** Save your birds from heavy roup loss. Guaranteed to get satisfaction or your money back. Pkgs. 25c. and 50c., postpaid.

**Pratt's Worm Powder.** A flock treatment for use in mash for round worm. Pkg. 75c., postpaid.

**Pratt's Chicken Pox Remedy.** Pkg. 60c., postpaid.

**Animal Regulator.** Keeps stock in the pink of condition. Pkg. 25c., postpaid 32c.; 50c., postpaid 58c.

**Pratt's Roost Paint.** Will kill body lice on fowls. You merely paint the roost at night—the fumes kill lice on the fowls. Pratt's Roost Paint kills the majority of lice the very first night. 2 oz. 35c., ½ pt. 85c., pt. \$1.50, postpaid \$1.60, qt. \$2.37, gal. \$7.00.

**Pratt's C-Ka-Gene.** Stops heavy losses from BLOODY COCCIDIOSIS. Not a "cure" . . . not a "preventive." C-Ka-Gene works by a new method "IMMUNITY" (permanent protection).

50 Chick size.....\$0.75  
100 Chick size..... 1.25

**Pratt's Cod-Liver Oil.** Vitamin-tested for poultry and stock. Gal. \$2, 5 gals. \$7.50.

**Pratt's Pic-No-Mor.** Absolutely stops Canibalism. 2 ozs. 25c., 5 ozs. 50c.

**Barker's Medicinal Stock Powder.** Improved chemical and vegetable horse, cattle and poultry powder. 30c., 60c., \$1.00 size pkgs. 12 lb. pail \$2.00, 25 lb. pail \$3.85.

**Anti Pick.** A convenient and economical means of protecting chickens from the habit of cannibalism, toe and feather picking. 3 ozs. 25c., 8 ozs. 50c., 15 ozs. 75c., 20 ozs. \$1.00.

**Tattoo Ink.** (Non-poisonous) 25c., postpaid 30c.

**Avicol.** Avicol has a specific and selective action on the germs causing cholera and white diarrhea. 50c. and \$1.00.

**Bag Balm.** There is no remedy so quick and certain in its curative powers for all diseases of the cow's udder and teats as Bag Balm. 60c.

**B-K Bacili-Kil.** Disinfectant—Deodorant—Antiseptic. It is fed in drinking water to calves, little pigs, and poultry. A powerful solvent of all protein matter such as casein milk solids on utensils, dead tissue, pus and mucus in animal tissue. 10-oz. bottle 50c., 1-qt. bottle 90c., 1-gal. bottle \$2.00.

**B-K Powder.** Small size 75c., large size \$1.50.

**Carbola.** A white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. 5 lbs. (2½ gals.) 60c., 10 lbs. (5 gals.) 98c., 50 lbs. \$3.50.

**Don Sung Tablets.** Scientifically compounded to make a balanced tonic and regulator for hens and to stimulate egg-laying. Pkgs. 50c. and \$1.00.

**Dr. Hess Hog Special.** A conditioner and mineral supplement for hogs only. 1½-lb. pkg. 25c., 3-lb. pkg. 45c., 7-lb. pkg. 95c.

**Kow-Kare.** A remedy in powder form, to be given in regular feed. It purifies the blood, strengthens the appetite. It increases the milk-flow. Small size 65c., large size \$1.25.



**Toxite.** Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. Gal. \$1.50, postpaid \$1.70, 5-gal. can \$6.50.

**"Black Leaf 40."** Kills lice. Just paint the roosts. 1 oz. paints 12 ft. roost 35c., 5 ozs. paints 65 ft. \$1.00, 1 lb. paints 200 ft. \$2.25, 2 lbs. paints 400 ft. \$3.25, 5 lbs. paints 1000 ft. \$5.85, 10 lbs. paints 2000 ft. \$10.60.

**Medicated Salt Bricks.** Average weight 2¾ lbs. 25c.

### LEE'S POULTRY REMEDIES

**Germozone.** The standard remedy for the prevention rouse and cholera. 4 oz. 40c., 12 oz. bottle 75c., 32 ozs. \$1.50, ½ gal. \$2.50, gal. \$4.50.

**Lee Mulsion.** It is much like a cough syrup for a human and acts to allay cough. 12-oz. bottle \$1.00, 32 ozs. \$2.00, ½ gal. \$3.50, gal. \$6.50.

**Vapo-Spray.** Is a compound of oils that is especially valuable in the treatment of Flu. Qt. can 75c., ½ gal. \$1.25, gal. \$2.00.

**Lice Killer.** Has been the standard poultry house insecticide for 30 yrs. Qt. 60c., ½ gal. 90c., gal. \$1.50.

**Dip and Disinfectant.** A standardized coal tar Creosote stock dip and disinfectant. Qt. 60c., ½ gal. 90c., gal. \$1.50.

**Tonax.** A tonic and conditioner for chickens and turkeys. Powder form easily mixed with mash. Use 1 to 4 lbs. according to age of birds. 12-oz. can 30c., 2-lb. can 75c.

**Gizzard Capsules.** The new Gizzard Capsule, with the medicine enclosed in nine coatings.

	Adult Size	Chick Size	Pullet Size
50 capsules, pkg. ....	\$0.75	\$0.40	\$0.50
100 capsules, pkg. ....	1.25	.75	1.00

### DR. HESS AND CLARK POULTRY REMEDIES

**Panamin** (Formerly Pan-A-Cea). A conditioner and mineral supplement. 1½-lb. pkg. 30c., 3-lb. pkg. 45c., 7-lb. pkg. 95c., 15-lb. pkg. \$1.90.

**Instant Lice Powder.** For dusting nests, fowl, chicks, etc., lb. pkg. 30c., 2½-lb. pkg. 65c.

**Dip and Disinfectant.** For spraying poultry houses, stables, etc. Qt. can 60c., ½-gal. can 90c., gal. can \$1.50.

**Bag Balm.** 60c.

**Garget Remedy.** 60c. (postpaid, 70c.).

**Greyawn Louse Powder.** For dusting fowls and nests. Also livestock. The most effective lice exterminator in existence. 12 ozs. 65c., 22 ozs. \$1.00.

**Walko Tablets.** 50c. and \$1.00 sizes.

**Avenarius Carbolineum.** A poultry house disinfectant, louse and mite destroyer; insures absolute riddance of the pests if applied but once a year. Gal. \$1.50, 5-gal. cans \$1.40 per gal.

**Crushed Oyster Shells.** Aid digestion and supply lime. No. 3 for young chicks. 5 lbs. 10c., 100 lbs. \$1.10.

**"Black Leaf" Worm Pellets.** The nicotine is not released until reaching the intestines where it kills round worm. 100 pellets 85c., 500 pellets \$3.25.

**"Black Leaf" Worm Powder.** An odorless, tasteless, dry compound, containing nicotine that remains insoluble in the mouth-throat, crop and gizzard. 4 oz. 100 birds 75c., 1½ lbs. 600 birds \$3.00.

### ACME EGG GRADING SCALE

Has been officially adopted as the standard scale in many sections of the United States. Made entirely of aluminum. Indicates grade instantly. Each \$2.50, postpaid.

### NEST EGGS

Encourage hens to lay in the nests by the use of nest eggs.

**Opal Nest Egg.** Made of glass. Each 5c., doz. 40c., postpaid 50c.

**Wooden Nest Eggs.** Enameled white, 5c. ea., 1 doz. 50c.

**Old Hickory Smoked Salt.** Is the only curing salt that gives a genuine, wholesome, delicious hickory flavor to meat because it is the **ONLY CURING SALT** that is actually smoked with **GENUINE HICKORY WOOD** 9-lb. can \$1.00.

**Morton's Smoked Salt.** The triple action cure. Salt, Sugar-Cure and Smoke your meat all at the same time. It eliminates the smoke house, saves time, labor and gives hams and bacon far better flavor. 2½-lb. cans 25c., 10-lb. cans \$1.00.

**Tender-Quick.** A special meat cure for beef, veal, mutton, fowl, lamb, fish, wild game, and pork specials. 2½ lbs. 50c., 10-lb. cans \$2.00.

**Sausage Seasoning.** 2-oz. cans 10c., 10-oz. cans 25c.

**Meat Guns** \$1.50, **Meat Therm.** \$1.00.



# POULTRY SUPPLIES

All Prices Subject to Change Without Notice

POULTRY FEED

GRIT

CHARCOAL

OYSTER SHELL

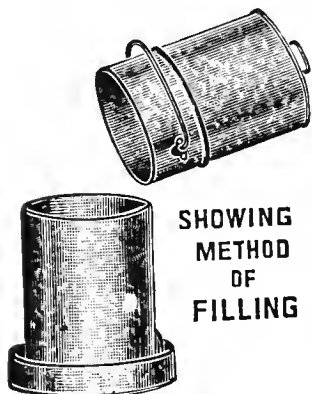
TOBACCO STEMS

## Cleanable Top Fill Fountains

With Cone Top

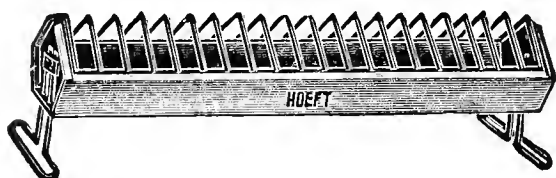
No. 285—5 Gallons  
Each \$3.10

Top-Fill Fountain, with double walls which keep the water cool in Summer and retard freezing in Winter. Heavy galvanized steel, with Round Pan. 3 gal. \$2.25.



SHOWING  
METHOD  
OF  
FILLING

## PREMIER CHICK FEEDER



With a substantial Galvanized Wire Grill, width 4 1/4 in., depth of pan 2 1/4 in., total height 5 1/2 in.

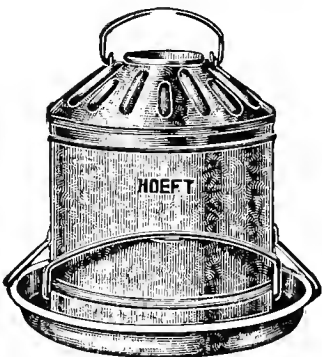
WITH WIRE LEGS

310-S—24 in. 75c. 311-S—36 in. 90c.  
312-S—48 in. \$1.05

## New Chick Fountain

New Gem Snap-on Fountains, with Smooth Streamline Cone Tops on which the chicks cannot perch.

No. Capacity Each  
158 1 gal. \$0.60  
159 2 gals. .75



## EUREKA CHICK FEEDER



WITH WIRE LEGS

No.	Length, Inches	Each
466-S	24	\$0.65
467-S	36	.80
468-S	48	.95
315-S Tin Plate	30	.75

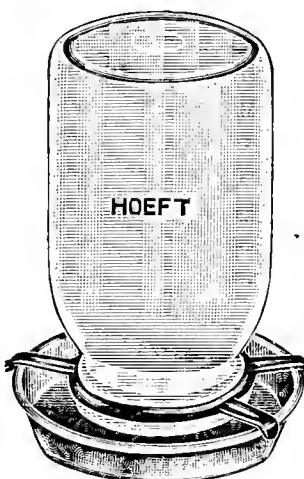
## POULTRY GOGGLES

Pick Our Shields. Doz. 40c., 100 \$2.95.

## HELMETS

Prevents Pickouts and Picking

Helmets are simple metal devices that are attached to the beaks of ready to lay or laying chickens, to prevent them from picking. Easy to attach. 50, \$1.50, 100 \$2.50, 500 \$11.25, 1000 \$20.00.

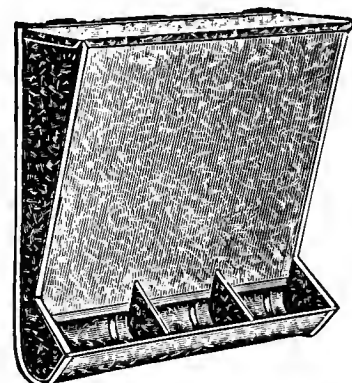


## Round Mason Jar Fountains

Galvanized Steel

Substantial screw cap spot welded to the pan. Ea. 10c.

## GRIT AND SHELL BOX



Each..... 75c.

Brooder Pipe and Elbows.....20c. up  
Brooder Thermometers.....35c. to \$1.00  
Cel-O-Glass.....13c. per sq. ft.  
Egg Baskets—Wire.....90c. each  
Fount Lamps.....\$1.35 each  
Poultry Crates.....\$1.35 each  
Roof Saddle—Adjustable.....\$1.45 each  
Toxite for Litter Spray.....\$1.50 gal.  
Wicks.....5c. each

## LEG BANDS FOR POULTRY AND PIGEONS

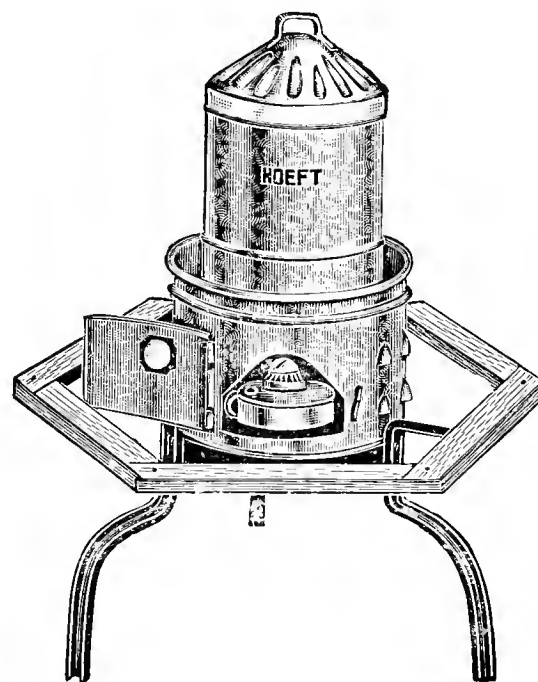
When ordering bands, state for which breed.

**Ribbon Bands.** This is an exceptional band; in fact, the best celluloid band ever produced. It has a good, large number that is indestructible so far as wear is concerned. The best band ever made for use in trap-netting. Made in six sizes, nine colors.

Per 100, postpaid  
No. 1—Chick size, day old.....\$1.25  
No. 2—Chick, size, two weeks old, or for pigeons..... 1.25  
No. 3—Mediterranean breeds..... 1.50  
No. 4—American breeds..... 1.60  
No. 5—Asiatic breeds..... 1.75  
No. 6—Turkeys and geese..... 2.75

In small lots, all sizes, doz. 25c., No. 6 doz. 35c.

**Spiralet Leg Bands.** Are made of celluloid in different colors. Black, white, blue, red, green, yellow. Three poultry sizes (state breed and sex): 12, 10c., 50, 35c., 100, 60c., 1000, \$4.00. Pigeon and Day Old Chick Size: 12, 10c., 25, 20c., 50, 30c., 100, 50c.



## Crescent Heated Fountain FOUNTAIN AND HEATER WITH STAND

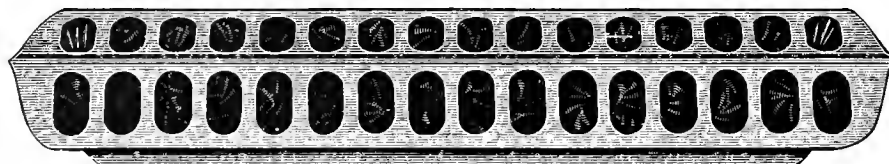
No.	Capacity	Each
424-S	3 gal.	\$5.20
425-S	5 gal.	6.20

## LEADER

### Chick Feeders

No. 520. 13 in. over all, 16 holes. Each 11c.

No. 521. 23 in. over all, 32 holes. 22c.



## ELECTRIC FOUNTAIN HEATER

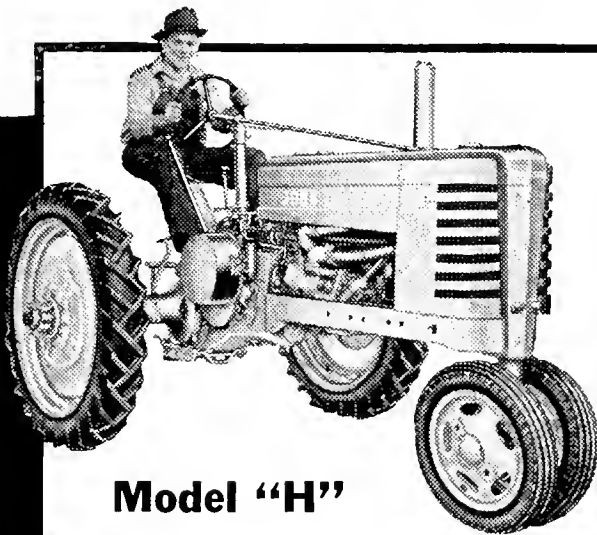
Keeps drinking water from freezing, even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain pan, crock or bucket. No adjusting. No regulating. \$3.00 postpaid.

## WAFER THERMOSTATS

All brass, double unit, for all makes brooders and incubators. 3 in. 25c., 4 in. 30c., 5 in. 40c., postage, 5c. extra.

Screw Post Wafers. 5c higher.

## NOW, ON THE SMALL FARM, TOO!



**Model "H"**

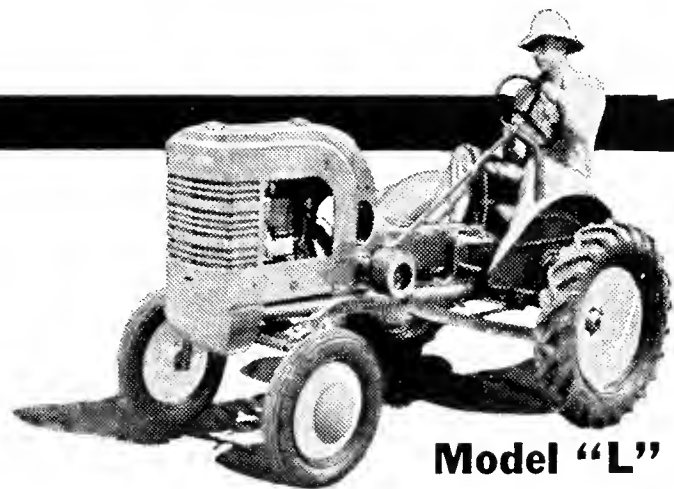
## 2 Smaller, Lower Priced John Deere Two-Cylinder Tractors

Smaller in size and lower in price, these two John Deere Tractors completely replace animal power and make tractor farming both practical and profitable on the small farm—put small-acreage farming on a new basis of satisfaction and profit. Ideal as supplementary tractor power on the large farm.

Embodying the outstanding features of larger John Deere Two-Cylinder Tractors . . . designed and built to deliver the same economical, dependable performance, your work moves along faster. It is done better, in less time, with less effort. Crops are planted, cultivated, harvested on time. Yields are greater. Costs are lower—profits higher.

### THE JOHN DEERE MODEL "H"

A smaller, lower-priced, one-two-plow tractor of the tricycle type that plants and cultivates two rows. Embodies all the features of larger John Deere General Purpose Tractors. Unexcelled in vision, ease of handling, economical

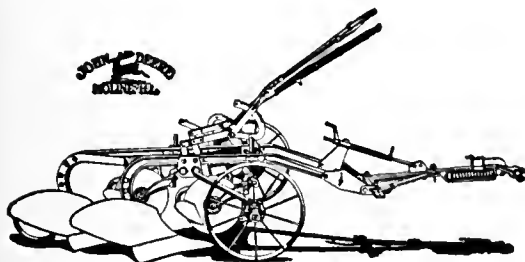


**Model "L"**

operation. Handles every job on the small farm and many jobs on the large farm. Has the daily output of four to six horses or mules. \$646.75 delivered.

### THE JOHN DEERE MODEL "L"

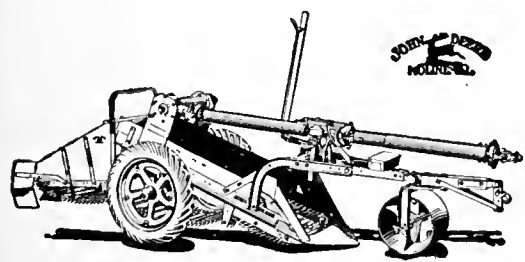
A four-wheel type, one-plow, one-row general purpose tractor. Ideal for the small farm, for truck gardening, working in greenhouses, in nurseries, and for the lighter jobs on the large farm. Remarkably economical. Adjustable tread. Has the work capacity of two to three horses or mules. \$530.00 delivered.



**John Deere No. 52 Tractor Plow**

### JOHN DEERE No. 52 TRACTOR PLOW

For all general plowing conditions, you just can't beat the John Deere No. 52—the sturdy, long-lived, light-draft plow built for two-plow tractors. 12-, 14-, and 16-inch bottoms are available; equipment to meet your needs. \$112.50 delivered.



**John Deere One-Row  
Tractor-Drive Digger**

## CHAPEL'S SEED STORE Williamsport, Pa.

We Carry a Complete Line of Repair  
Parts for John Deere Machines

WRITE US FOR PRICES AND LET  
US EXPLAIN OUR EASY TERMS

Send For Free Booklets



**John Deere General-Purpose Tractor  
with 2-Row Cultivator**

**JOHN DEERE QUALITY IMPLEMENTS AND SERVICE**

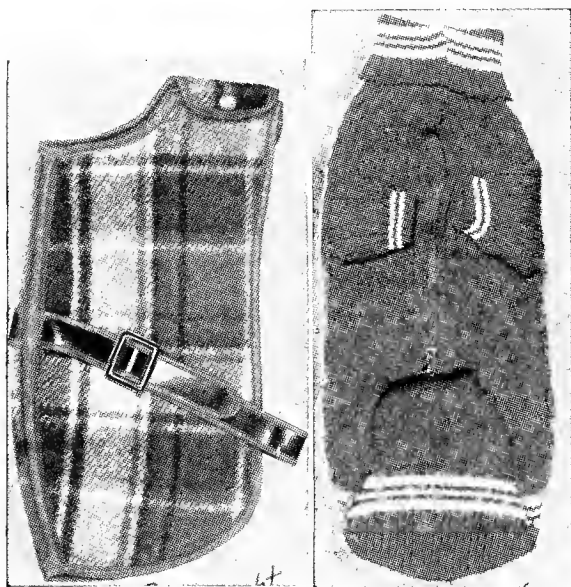
## DOG REMEDIES AND SUPPLIES

### DOG SWEATERS & BLANKETS

Heavy Pioneer part wool knitted dog sweater with zipper. Attractively striped. Colors: red, green, navy. Sizes: 10, 12, 14, 16, 18, 20. The lowest priced zipper sweater sold. A super value. \$1.50.

Heavy woolen blanket, plain and scotch plaid materials, bound in attractive colors, colored enamel slide buckle with four button snaps to match. Buttons across the chest and is double breasted. Sizes: 10, 12, 14, 16, 18, 20. Ea. \$1.40.

**Complete Line of Dog Collars, Harness, Leads, Blankets, Combs and Brushes.**



BL 3  
Medium Weight

SW 8  
With Zipper

### SPRATT'S CAT MEDICINES

**Capsules.** For large round worms. 15c.

**Tablets.** For constipation. 15c.

**Capsules.** For round worms for kittens. 15c.

**Tonic and Condition Tablets.** 15c.

### CEDAR KENNEL BEDDING

Clean and fragrant. The oil of Cedarwood in this bedding is the dog's natural friend as it is very offensive to fleas and other insects. The aroma also counteracts animal odors. 5-lb. bag 50c.

### DELCREO DOG REMEDIES

**Delcreo**.....4 ozs. \$1.50

**Tonic and Conditioner**.....2 ozs. .75

**Soluble Sulphur Compound**..2 ozs. .60

**Soluble Sulphur Comp. Bath**..4 ozs. 1.00

### Wm. Cooper & Nephews Products

**Pulvex Flea Powder**.....50c. and \$1.25

**Pulvex Dry Cleaner**.....50

**Pulvex Soap**.....25

**Pulvex Worm Capsules**.....50

**Cooper's Pine Oil Disinfectants**.....50

**Pulvex Kur-Maige**.....75

### Dr. A. C. Daniels' Remedies

#### For Dogs, Puppies, Cats and Kittens

**Acobel Wafers.** For colds.....\$0.50

**Astringent.** Diarrhea pills......65

**Catnip.** Leaves and blossoms......15

**Danilax.** A liquid tasteless laxative  
35c. and .65

**Danivom.** Anti-vomit tablets. ....50

**Dermite.** For sarcoptic mange..... 1.00

**Dervide Tablets.** Nervide. Fits......50

**Effer Wash.** For canker, sores, ears... .35

**Flea Powder.** For fleas and lice......25

**Germi Powder.** For sores, cuts......35

**H.B.O. Liquid.** For hair balls in cats.. .65

**Katonic.** A great tonic for cats......25

**Nasal Balm.** Head colds, catarrh......35

**Puppy Vermifuge Capsules**......65

**Sulphur Tablets.** For cooling blood.. .50

**V.M. Capsules.** Full of vitamins......50

**Worm Drop Capsules**......65

**Worm Drops Liquid**......50

*Free Booklet on Request*

### PUPPYBUNK

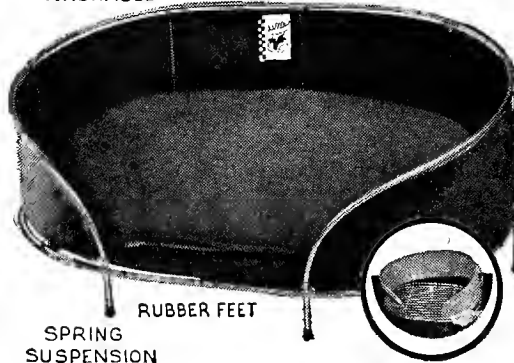
PUPPYBUNK is obtainable in standard sizes—and in a choice of Dartmouth Green or Rust. The frame is of lustrous chromium, carefully welded for strength and long life. The entire sidewall unhook in a jiffy for cleaning.

24 in. ....\$3.95      26 in. ....\$4.95

**PUPPYBUNK**  
DELUXE DOG BED  
by HENDRYX

COMPLETELY  
WASHABLE

ALL CHROMIUM  
FRAME



SPRING  
SUSPENSION

There is only one PUPPYBUNK. Look for name PUPPYBUNK on the bed you buy to insure complete satisfaction for your pet and yourself. Genuine sizes and prices.

### DOG BASKET

**No. 0841**—Attractively designed and constructed of flat reed with plywood veneer bottom, mounted on legs. Height 10 in. Sizes: 26 in. \$3.50.

Kapok cushion included in price. Colors: Tan and green.

### I Dust with

# HTH-15

### TO GUARD AGAINST COLDS ROUP BRONCHITIS

"I fight colds and respiratory diseases by dusting with HTH-15. A dry, white powder, containing just the right balance of chlorine, HTH-15 is easy to use. I just dust over the birds on roost with an inexpensive dust gun—and get all benefits of the chlorine inhalant treatment without disadvantages of moisture."

A little HTH-15 in drinking water helps prevent spread of disease. Disinfect poultry houses and equipment by spraying regularly with HTH-15 solution. Economical—no waste—effective. Write for literature. Extensively used for Dairy Farm Sanitation in the dairy, on the animals, and in the barns.

1-lb. can 50c., postpaid.....\$0.60

3-lb. can \$1.00, postpaid..... 1.12

Suitable Duster for dusting HTH 15.. 1.00  
postpaid \$1.10.

### Q-W DOG REMEDIES

**Q-W Cod Liver Oil with Calcium Phosphate.** Rich in vitamins A and D. New size 75c., pt. 95c.

**Q-W Condition Powder.** The famous Q-W product to add to your dog's food—mildly laxative. \$1.00, kennel size \$3.00.

**Q-W Dog Soap.** To kill fleas and give your dog a bully bath. 25c. per cake, 75c. per box (3 cakes). (No less than 75c. box by mail.)

**Q-W Flea Oil and Coat Dressing.** An oil application to rid your dogs of fleas, lice, ticks, stable and horn flies. ½ pt. 65c., pt. \$1.00, qt. \$1.75.

**Q-W Liniment.** For external application for muscular soreness and stiffness, etc., due to exertion, fatigue or exposure. 75c.

**Q-W Sarcoptic Mange Lotion.** An exceptional dressing for sarcoptic mange and itch. New size 75c., 8 oz. \$1.00.

**Q-W Mild Bowel Astringent Tablets.** \$1.25.

**Q-W Salicylate Compound Tablets.** To help alleviate rheumatic aches and pains, muscular soreness and stiffness due to exertion or exposure. 65c.

**Q-W Sedative Tablets.** A calming sedative for symptomatic treatment in nervous conditions, convulsions and sleeplessness. 95c.

**Q-W Tapeworm Mixture.** The remarkable Q-W tapeworm preparation. 2 oz. \$1.00.

**Q-W Tonic.** The popular tonic for its iron, quinine, strychnine and alcohol content. 65c. per bottle.

**Q-W Verminol.** Remarkable disinfectant! A dip for ridding dogs of fleas, lice and ticks and their eggs. ½ pt. 75c., pt. \$1.25.

**Q-W Worm Capsules.** For large round worms and for a mild hook worm treatment. 65c. a box at your dealer—Mail order tin \$1.00.

**Q-W Worm Mixture.** For large round worms and for a mild hook worm treatment for smallest to largest dogs or cats. 2 oz. 65c., 4 oz. \$1.00.



# DOG AND CAT FOOD, REMEDIES AND SUPPLIES

## SPRATT'S DOG REMEDIES

**Spratt's Dip Disinfectant.** Disinfectant, antiseptic, germicide, insecticide and deodorant. Refined and highly concentrated. Makes a milky solution (1 part to 100 parts or 1 tablespoonful to 1 qt. of water.) 12 ozs. 60c.

**Spratt's Diuretic Tablets.** For kidney and bladder trouble. 40 tabs. 60c.

**Spratt's Ear Canker Ointment.** For external and internal ear canker. 2 ozs. 75c.

**Spratt's Expectorant Tablets.** For respiratory irritations. 40 tabs. 60c.

**Spratt's Eye Lotion Tablets.** For making eye wash solution. 10 tabs. 60c.

**Spratt's Hair Salve.** To give lustre and sheen to the coat. 2½ ozs. 60c.

**Spratt's Laxative Tablets.** For stimulating liver and bowels. 50 tabs. 60c.

**Spratt's Liniment.** For sprains and bruises. 3 ozs. 60c.

**Spratt's Mange Liquid.** For sarcoptic mange. 12 ozs. 75c.

**Spratt's Mineral Compound Tablets.** 40 tabs. 60c.

**Spratt's Mouth and Throat Wash.** To keep mouth sweet and clean. 3 ozs. 75c.

**Spratt's Muscular Aches Tablets.** For muscular aches and soreness due to exposure. 40 tabs. 60c.

**Spratt's Nerve Sedative Tablets.** 40 tabs. 60c.

**Spratt's Ointment for Sarcoptic Mange and Irritation, Scratching or Eczema** due to Sarcoptic Mange Mites. 2 ozs. 60c.

**Spratt's Purgative Tablets.** For thoroughly purging the bowels. 40 tabs. 60c.

**Spratt's "Special" Tablets for Dogs.** A diuretic and stimulant. 75 tabs. \$1.00.

**Spratt's "Special" Tablets for Toy Dogs and Puppies.** 50 tabs. \$1.00.

**Spratt's Stomach Sedative Tablets.** 40 tabs. 60c.

**Spratt's Sulfur Tablets.** 60 tabs. 60c.

**Spratt's Tapeworm Tablets.** For tapeworm in dogs and puppies. 12 tabs. 60c.

**Spratt's Tonic and Condition Tablets for Dogs.** A general tonic. 60 tabs. 60c.

**Spratt's Tonic and Condition Tablets for Toy Dogs and Puppies.** 75 tabs. 60c.

**Spratt's Wheezing Tablets.** 40 tabs. 60c.

**Spratt's Worm Capsules for Dogs.** For large round worms or ascarids. 20 tabs. 60c.

**Spratt's Worm Capsules for Puppies and Toy Dogs.** For large round worms or ascarids. 25 tabs. 60c.

**Chambers Castrique.** 2 ozs. 75c.

**Chambers Castrique.** 5 ozs. \$1.50.

### SMALL SIZE PACKAGES

**Spratt's Worm Capsules for Dogs.** For large round worms or ascarids. 3 caps. 15c.

**Spratt's Worm Capsules for Puppies and Toy Dogs.** 4 tabs. 15c.

**Spratt's Tonic and Condition Tablets.** 6 tabs. 10c.

**Spratt's Tablets for Constipation.** 6 tabs. 15c.

## CHAPPEL'S DOG BISKIT

KEN-L-BISKIT KIB-L-BISKIT

### PUP-E-CRUMBLES

5 lbs. 60c., 10 lbs. \$1.10, 25 lbs. \$2.30, 50 lbs. \$4.40, 100 lbs. \$8.75.

**D and G Dog Food.** Kibbled. 5 lbs. 55c., 10 lbs. \$1.00.

**D and G Mighty Good Meal.** 5 lbs. 40c., 10 lbs. 70c.



## FLEISCHMANN'S Irradiated Dry YEAST FOR DOGS

Gives the coat a beautiful gloss, helps clear up skin disorders, stops itching, builds stronger bones in puppies, prevents rickets. Simply add a teaspoonful to your dog's daily diet.

**Four Sizes:** 3½-oz. can 25c., 8-oz. can 50c., 1-lb. can 85c., 5-lb. can \$3.50.

## Spratt's Patent Dog Foods

**Spix.** A medium size dog cake for all breeds. Lb. 15c., 2 lbs. 25c.

**Ovals.** The Pocket Dog Biscuit. A small, meat-fibrine dog biscuit of superior quality. A few of these diminutive dog cakes can be carried in the pocket when on a ramble with the dog. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.25.

**Charcoal Biscuits (Oval Size).** These biscuits are quite easily edible. The charcoal absorbs impure gases in stomach and intestines and acts as a corrective of internal ailments, fetid breath, etc. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.25.

**Fibo.** The standard kibbled food for years for all breeds. Lb. 15c., 10 lbs. \$1.40.

**Terrier Meal.** For Very Active Dogs. A highly nutritious, tissue building, muscle forming, bone making and conditioning food. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.15.



**Gaines Meat and Milk Meal Cooked.** Biologically Tested Foods for Dogs and puppies. This one mixture contains *everything* a dog needs for complete nourishment.

5-lb. pkt. 50c., 10-lb. pkt. 90c., 25-lb. pkt. \$1.75, 50-lb. pkt. \$3.10, 100-lb. pkt. \$6.00.



**Gaines Krunchon.** The Pellet Form of Gaines Food. Lb. 15c., 5 lb. 60c.

## PASCO DOG FEED

For Dogs and Puppies

It contains meat, milk, vegetables, cereals and cod liver oil. Properly balanced for growth, conditioner and health. 5 lbs. 40c., 10 lbs. 70c., 25 lbs. \$1.50, 50 lbs. \$2.90, 100 lbs. \$5.75.

## Glover's Imperial Medicines

### FOR INTERNAL USE

**Round Worm Vermifuge.** For puppies, dogs, foxes and cats. 60c.

**Round Worm Capsules.** For puppies, dogs and foxes. 50c.

**Tape Worm Capsules.** For puppies, dogs, foxes and cats. 60c.

**Tetrachlorethylene Capsules.** For hook worms and round worms in puppies, dogs, foxes and cats. 60c.

**Condition Pills.** Stimulant, digestive, appetizer, tonic. 60c.

**Iron Tonic.** Tonic, appetizer, general stimulant for puppies, dogs and cats. 60c.

**Digestive Pills.** Soothing to the stomach and intestines, stimulates digestion. 60c.

**Laxative Pills.** For sluggish bowels and acute constipation. 60c.

**Diarrhea Mixture.** To check looseness of the bowels from simple inflammations and improper feeding—For dogs and cats. 60c.

**Compound Sulphur Tablets.** Act upon the kidneys and intestines. 60c.

**Nerve Sedative.** For fits and convulsions in puppies, dogs and cats. 60c.

### FOR EXTERNAL USE

**Mange Medicine Sarcoptic.** Antiseptic and germicide, also a local application for Eczema. 75c.

**Kennel and Flea Soap.** A bath soap for the cat. Kills fleas and lice. 25c.

**Medicated Soap.** A cleansing bath soap for house dogs. Gives a glossy coat. 30c.

**Creosol Disinfectant.** Refined and six times stronger than Carbolic Acid. Antiseptic, germicide, insecticide, deodorant. 50c.

**Flea and Insect Powder.** 100% Pyrethrum flowers. No filler added. Non-poisonous. 50c.

**Liniment.** For muscle soreness, stiffness and sprains of dogs. 60c.

**Sore Foot Medicine.** For dogs. Specially recommended for hunting dogs. 60c.

Ask For Free Dog Book

## Sergeant's Dog Medicines

Sure Shot Capsules.....\$0.60  
Puppy Capsules......60  
Sure Shot Liquid......60  
Skip-Flea Soap......25  
Tape Worm Medicine......60  
Sure Shot Flea Powder......25

Spohn's Distemper Compound......60  
Spratt's Cat Worm Capsules......15  
Spratt's Cleaning Powder......30  
Pulvex Flea Powder.....25c. and .50  
Sopex Animal Shampoo......50  
Bee Brand Shampoo. Lathers......35  
Pulvex Dog Soap......50  
Supercedar Kennel Bedding. 5 lbs... .50

## PARD DOG FOOD

**Swift and Company's Canine-Tested Feeding Formula.** Lb. can 10c., 3 cans 29c., per case of 48 cans \$4.25.

## CAT FOOD AND SUPPLIES

**Kit-E-Ration.** A canned food. 15c.

**Spratt's Cat Food.** A complete food. 30c. box.

**Catnip Mice.** 10c.

**Catnip Leaves.** 15c.

**Spratt's Dry Cleaning Powder.** 30c.

**Pulvex Flea Powder.** 25c.

## GARDEN SUPPLIES

**GPM  
PEAT MOSS**

The finest quality horticultural peat moss (100% sphagnum moss). A marvelous soil conditioner that assures better germination and growth. Breaks up hard clay soils and gives body to loose sandy soils. Supplies humus to the soil, and its millions of tiny sponge-like cells store up moisture and plant food for full use of plants. In 20 bushel pressure-packed bales. Single bales only \$4.25.

**SORBEX**

A pulverized, highly absorbent moss peat of exceptional quality, quickly available as humus. Excellent for top dressing lawns, golf course greens, etc. In 10 bushel bags. Single bags only \$2.50 delivered.

**OK  
POULTRY LITTER**

This amazing "double-duty" litter keeps houses sanitary, warm and free from dampness. Use OK in laying houses and brooders. Fine for both hens and chicks. In 20 bushel pressure-packed bales. Single bales only \$3.50, delivered.

**AUXILIN****MIRACLE ROOT GROWER**

The amateur grower can obtain better results with Auxilin treatment of cuttings than the most skilled commercial grower can attain without it.

Commercial growers can increase profits and decrease losses by treating all cuttings with Auxilin.

1/6 oz. bottle.....	\$0.50
1/2 oz. bottle.....	1.00
3 1/2 oz. bottle.....	6.00
8 oz. bottle.....	12.00

**ANTROL****KILLS ANTS IN  
THEIR NEST**

A Scientific Method, Safe, Sure, Permanent

**Antrol Ready-filled Set.** Containing 4 filled feeders 40c.

**Antrol Regular Set.** 4 Containers and 4-oz. bottle syrup—enough for two fillings, 75c.

**Antrol Syrup for Refilling.** 4-oz. bottle 35c., pt. bottle 85c.

**Safe to Use Around Children and Pets.**  
**Can be used inside or outside the house.**

**STANLEY'S CROW  
REPELLENT  
PROTECTS YOUR  
SEED CORN**

from crows, pheasants, blackbirds, larks, and all other corn-pulling birds and animal pests, such as moles, gophers, woodchucks, squirrels, etc.

Qt., enough for 4 bus. seed \$1.75, pt. enough for 2 bus. seed \$1.00, 1/2 pt. enough for 1 bu. seed 60c.

**SCALECIDE  
—THE COMPLETE DORMANT SPRAY—**

The quality miscible oil. Oldest and best known dormant or delayed dormant spray for fruit trees and ornamentals. Easy and pleasant to use. Use 1 to 11 for peaches and other stone fruits, use as a dormant spray 1 to 15 for all deciduous trees, 1 to 20 for evergreens.

It is a complete dormant spray. Invigorates and kills insects. Fall spraying controls—scale, peach leaf curl, pear psylla, bud moth, case bearer, etc. Spring spraying controls—scale, red mite, aphid, red bug, tent caterpillar, leaf miner, case bearer, etc. Qt. 65c., gal. \$1.55, 15-gal. drum \$11.25, 50-gal. drum \$26.00.



**"Dogzoff".** A repellent spray for keeping dogs, cats, rabbits and other pests away from plantings. Harmless and easy to use. Bottle 60c.

**BOVUNG**

(2-2-2). Composed of cow manure, dehydrated and odorless. One of the best organic fertilizers on the market. 25 lbs. \$1.00, 50-lb. bag \$1.50.

**FERTILIZER SPREADERS**

Every home needs this new gardening aid. Spreads Vigoro and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns. \$3.00 and up.

We recommend

**SACCO**

A complete plant food. Grows finer flowers—thicker, more luxuriant lawns—better vegetables, trees and shrubs.

Produces quick, sure results. Used by leading commercial growers everywhere.

**"Makes Things Grow"**

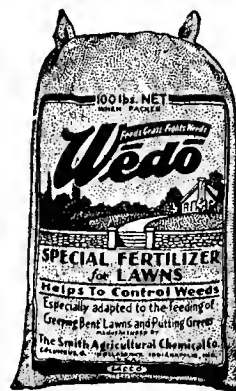
See page 41 for prices.

**SULFOCIDE**

An effective Summer spray for the control of scale and blackrot on fruit trees, mildew, and blackrot on Roses, etc. Per pt. 50c., qt. 85c., gal. \$2.25.

**ROOTONE  
The Hormone Powder**

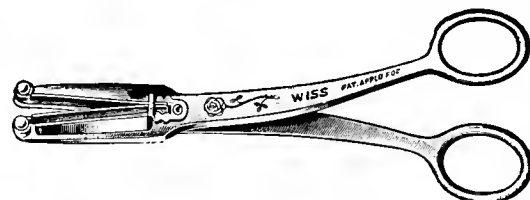
For seed cuttings and bulbs. Hastens germination, stimulates bulbs, kills fungi, stops wilt and damping-off, increases plant growth. 1/4 oz. pkt. 25c., 2 oz. jar \$1.00, 1-lb. can \$5.00.

**WEDO****Special Fertilizer****for Lawns—Grows****Grass Thicker, Greener**

The finest fertilizer for building new lawns or bringing thicker, more luxuriant beauty to old lawns. Literally chokes out weeds by promoting both root and top growth. Endorsed by experts. Use WEDO for best results.

Use only 1 1/2 lbs. per 100 sq. ft.

See page 41 for prices.

**FLOWER HOLDER SHEARS**

Cuts and holds roses and other flowers direct from bush without injuring or crushing stem. Nickel \$1.00, Chrome \$1.50.

**HY-POWER PRUNER****The Easiest Cutting Pruner of its Size**

Oversize hardened steel bolt and nut gives longer wearing qualities. \$2.20.

**KITCHEN SHEARS**

Better than any knife for preparing fruits, salads, fish—trimming meats, etc. The serrated blade prevents objects slipping while being cut. \$1.25.

# SEED DISINFECTANTS

## Increase Crop Profits

## Reduce Disease Losses

### New Improved CERESAN

Effective against bunt or stinking smut of wheat; loose and covered oats smuts; black loose smut, covered smut and stripe of barley; kernel smuts of sorghums; and seedling blight. Lb. 75c., 5 lbs. \$3.25.



### PARACIDE (Para-Dichlor Benzene)

Kills the peach tree borer, controls moth in carpets, furniture and clothes. Lb. 50c., 5 lbs. \$1.75.

### CARBON DISULPHIDE

For the extermination of Woodchucks, Ground Squirrels, Moles and Mice. Recommended by most Experiment Stations for the control of the Weevil in stored grain and seeds. Lb. 50c., 5 lbs. \$1.75.

### ANSUL DUST

Controls damping-off of flower and vegetable seedlings. Treatment is safe, economical and easy to apply. Gives complete soil sterilization. Seed treatment unnecessary. Controls oak smut and covered smut of barley. Lb. 75c., 5 lbs. \$2.00, 25 lbs. \$5.50, 50 lbs. \$9.00.

### COPPER CARB

Kills stinking smut on wheat. It is cheap and easy to apply. It does not injure the seed. Wheat may be treated at any time and stored without injury. Seed wheat treated with Copper Carb is protected against weevils. Rats and mice prefer untreated seed. 5 lbs. \$1.00.

### FORMALDEHYDE

For treating Seed Oats for Smut. Pt. 35c., qt. 60c., gal. \$1.50.



**Cuprocide** protects seeds from damping-off in the ground, prevents seedlings from damping-off above the ground.

Standard Red Copper Oxide

# CUPROCIDE

Use Cuprocide as a dust on seeds and as a spray on plant-bed soil and seedlings. Lb. 90c., 1/4 lb. 35c.

### SPRAY WITH CUPROCIDE 54

Contains Standard Red Cuprous Oxide for Plant Protection

**Seedlings.** Upon emergence, spray seedlings at 7 to 10 day intervals. Use 3 lbs. in 100 gals. of water (1/2 oz. per gal.). Spray so thoroughly that the spray runs down the stems into the soil. This is essential. Spray top and bottom of leaves to control leaf spots and blights. 3-lb. bag \$1.11.

### New Improved SEMESAN JR.

Easy dust treatment; protects seed against rotting; improves stands; reduces seedling blight and increases yields. Average increase, 4 bus. per acre. 2 oz. 15c., 4 oz. 30c., lb. 75c., 5 lbs. \$3.00.



### SEMESAN

**Semesan.** Controls many seed-borne diseases, reduces seed decay of vegetable and flower seeds at the amazingly low cost of only 1/4c. to 1c. a lb. Also valuable for watering the seed bed or flats to control damping-off.



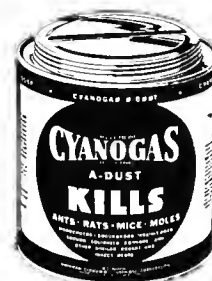
1/8 oz. 10c., 2 ozs. 35c., lb. \$2.25, 5 lbs. \$9.90.  
**Nu-Green.** To control Brown Patch on turf of low fertility. 3 ozs. 35c., lb. \$1.45, 5 lb. \$6.30, 25 lb. \$29.00, 100 lb. \$109.45.

**Special Semesan.** To prevent and control Brown Patch. 5 lb. tin \$7.00, 25-lb. pail \$33.00, 100-lb. drum \$122.85.



**Ants.** Simply enlarge entrances of nest with long-shank screwdriver or pointed stick. Adjust spout of can and allow a small amount of Cyanogas to flow into the enlarged hole. The worker ants and Queen are killed immediately with Cyanogas. Special 4-oz. ant container 30c.

**Moles.** Open up runways every 10 to 20 feet and blow Cyanogas A-Dust in both directions with a duster. Lb. 75c., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.



**Woodchucks.** Are very susceptible to the gas liberated by Cyanogas A-Dust, and only one whiff is required to kill them. Place one tablespoonful of Cyanogas as far down the burrow as possible. Use long-handle spoon. Upset Cyanogas in a small pile. Close entrances tightly with upturned sod. Lb. 75c., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

**Rats.** Cyanogas is not a bait! It is different! Simply pump it into rat burrows or hide-outs, it seeks the rats and kills them instantly. Lb. 75c., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.

**Greenhouse Pests.** Cyanogas G-Fumigant, when exposed to air gives off a gas destructive to all plant insects. It is the most generally used insecticide in greenhouses. It is the most economical of all greenhouse insecticides, and is completely effective and very easy to use. 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$25.00.



**Other Pests.** Such as fleas, bees, bats, squash-bugs, cucumber beetles, termites, etc., are easily controlled with Cyanogas. Leaflets containing instructions on the control of practically all pests are available.

### FORMALDEHYDE SEED OAT TREATMENT FOR THE CONTROL OF OATS SMUT

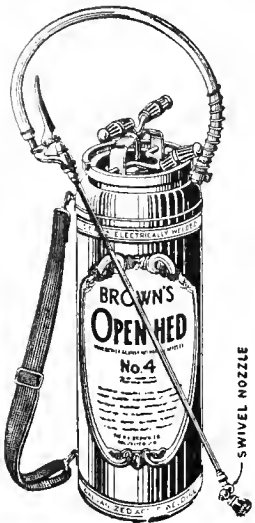
For 50-bu. seed, dilute 1 pint Formaldehyde with 1 pint of water. Place the Oats on the floor and with a hand sprayer spray this solution over them as they are being turned over, spraying a little of the solution over each shovelful being turned. After they have been treated shovel them into a pile and cover with blankets or heavy canvas. Allow to remain 4 or 5 hours before seeding. Sow as soon as possible after this period. **Do not feed to live stock after treating.**

## ● VITAMIN B-1 For the Garden ●

**PRICED RIGHT! \$1.00**  
100 milligrams—1/10 gram **Retail**  
Enough to make 2000 gals. of solution; sufficient for a season in the average garden.



## SPRAYERS



### No. 4 and No. 3 Open-Hed Sprayer

Pump cylinder is 2 in. diameter seamless brass, 14 in. long and screws into sprayer top so that pump is one complete unit. Pump is quickly and easily locked in two movements; first, a twist of the wrist to lock it in place; second, locking lever is pushed down to compress gasket.

**No. D**—Open-hed galvanized tank. \$5.00.

**No. 4B**—Open-hed brass tank. \$8.50.

### No. 250 Funnel- Top Sprayer

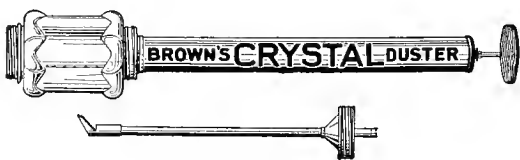
Pump is seamless brass, 1 3/4 in. in diameter with brass check valve. This sprayer is equipped with all-metal ground valve, automatic shut-off with solid brass plunger and 18-in. seamless brass angle extension and screen non-clog nozzle.

**No. 250D**—3 1/2 gal. Galvanized tank. \$3.95.

**No. 250B**—3 1/2 gal. brass tank. \$6.50.



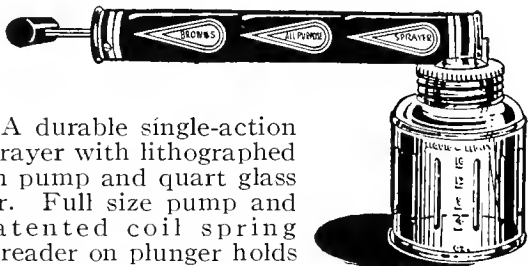
## CRYSTAL DUSTER



A highly efficient. Duster adapted to the widest variety of uses, having a glass dust chamber, resistant to the destructive effects of disinfectant and insecticide powders.

**Crystal Duster**.....\$1.25

### No. 16SR SPRAYER



A durable single-action sprayer with lithographed tin pump and quart glass jar. Full size pump and patented coil spring spreader on plunger holds leather cup firmly against the side of the pump, and greatly increases the efficiency of the machine.

**No. 16SR**—1 qt. tin pump glass jar....\$0.35

**No. 14**—1 qt. all tin......40

**No. 335**—1 qt. brass pump copper tank.. 1.75

**No. 325**—1 qt. tin pump copper tank.... 1.25

**No. 26BG**—1 qt. tin pump glass tank... 1.20

**We carry a full line of hand and power  
sprayers.**

## ROSES

DO BEST WHEN  
FED WITH

## VIGORO

Complete plant food

1-lb. pkg....	\$0.10	25-lb. bag....	\$1.50
5-lb. pkg....	.45	50-lb. bag....	2.50
10-lb. pkg. .	.85	100-lb. bag....	4.00



## ROSE CULTURE

A fungicide, in-  
secticide and  
plant stimulant  
all in one spray

Roses that are permitted to become afflicted with insects and fungus diseases will lose their vitality and will not yield beautiful blooms.

If your roses have the scientific protection of TRI-OGEN, neither insects nor the dreaded Black Spot or Mildew will harm or defoliate them.

TRI-OGEN not only protects roses against all fungus diseases and insect pests, but it stimulates vigorous plant growth and assures healthy green foliage and luxuriant blooms.

...it is the most revolutionary discovery ever made in the history of rose culture. It is the most highly recommended product of its kind.

TRI-OGEN PROTECTION IS COMPLETE. No other spray is required. Therefore, it has been found to be the most economical spray for roses. Moreover, it is a great labor saver.

### PRICES

A. Small Kit (makes 16 quarts).....	\$1.50
B. Medium Kit (makes 64 quarts)....	4.00
C. Large Kit (makes 32 gallons).....	6.00
D. Estate Kit (makes 128 gallons)....	20.00

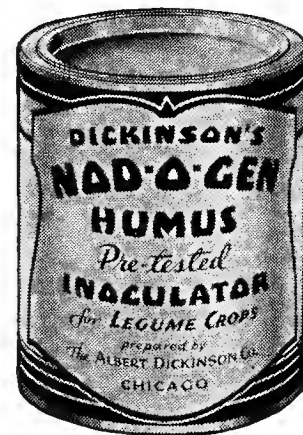
A Product of OGEN Laboratories  
and Experimental Gardens

## TRI-OGEN

Reg. U. S. Pat. Off.

The all-purpose spray

## Here's Why NOD-O-GEN PAYS!



Seeds of legumes  
(see list below) in-  
oculated with  
NOD-O-GEN:

1. Produce bigger crops.
2. Build up the soil.
3. Make richer feed.
4. Take nitrogen—the most expensive fertilizer—from the air.

5. Improve crop quality.

6. Pay biggest returns on money spent.

### PRICES

For seeds such as Alfalfa and all Clovers:

1/2 bu.....	\$0.30	2 1/2 bu.....	\$1.00
1 bu.....	.50		

For seeds such as Soy Beans, Cow Peas, Peanuts, Lima Beans.

1 bu.....	\$0.30	5 bu.....	\$1.00
2 bu.....	.50		

For seeds such as Field Beans, Wax, String, Navy, Snap, Kidney and Scarlet Runner Beans:

1/2 bu.....	\$0.25	5 bu.....	\$1.50
1 bu.....	.40		

For seeds such as all Vetches and Peas:

1/2 bu.....	\$0.25	5 bu.....	\$1.60
1 bu.....	.40		

Combination for Garden Peas and Beans, Lima Beans, Sweet Peas and Lupine:

5 lbs.....	\$0.10
------------	--------



AIN'T WE A HAPPY BUNCH?

## BABY CHICKS

Our chicks will please you  
Blood Tested—For Pullorum Disease

We advise placing orders in advance as the demand for our chicks is always heavy. Every bird in the breeding flocks has been selected for health, vigor, production and must conform to the type of the breed it represents. Every bird is blood tested each year and all unsatisfactory birds are removed at once.

Prices subject to change.

	100	25
<b>Leghorns.</b> White, brown, buff..	\$9.00	\$2.75
<b>Rocks.</b> Barred, white, buff....	10.00	3.00
<b>R. I. Reds</b> .....	10.00	3.00
<b>N. H. Reds</b> .....	11.00	3.25
<b>Wyandottes.</b> White.....	10.00	3.00
<b>"AA" Minorcas</b> .....	9.90	3.00
<b>"AA" Buff Orpingtons</b> .....	9.90	3.00
<b>"AA" Silver Wyandottes</b> .....	12.50	3.50
<b>"AA" Jersey Giants</b> .....	12.50	3.50
<b>"AA" Light Brahmas</b> .....	12.50	3.50
<b>"AA" Mottled Anconas</b> .....	9.00	2.75

### SPECIAL BREEDING BABY CHICKS

	100
<b>White Leghorns</b> .....	\$13.00
<b>N. H. Reds</b> .....	15.00
<b>Rock Red Cross</b> .....	12.00

50 at the 100 rate, 1c. less per 1000

**Mammoth White Pekin Ducklings in  
Season.** 25c. each, \$18.00 per 100.

**Rootone.** The plant hormone powder for cuttings, seeds and bulbs. Just dust and plant. No soaking is necessary. Stimulates rooting of cuttings, germination of seeds and bulbs, and speeds up growth and flowering. Stops damping-off. 2-oz. jar \$1.00, treats 3000 cuttings or 1000 bulbs. 1-lb. can \$5.00, treats 30,000 cuttings or 10,000 bulbs.

## EVERBLOOMING, or HYBRID TEA ROSES

This class of Rose is most satisfactory, since they continue to flower throughout the entire season from early Summer until frost. They are hardy, but it is advisable to give Winter protection. The following list contains the choicest varieties only.

### PATENTED RECENT INTRODUCTIONS

**Alezane** (*Plant Patent 116*). A gorgeous, rich apricot variety, veined yellow. Very early bloomer. Striking novelty. Ea. \$1.25.

**Amelia Earhart** (*Plant Patent 63*). Large, ovoid buds, cream with blush overtone, center deep yellow; fragrant. Ea. \$1.25.

**Countess Vandal** (*Plant Patent 38*). A vigorous Rose with long, pointed, orange-copper buds. The flowers are brilliant pink with a salmon glow and richly fragrant. Ea. \$1.25.

**Better Times** (*Plant Patent 23*). Large, brilliant cerise-red flowers, delicately fragrant, long stems on leathery foliage. Excellent for cutting. Ea. \$1.00.

**Eclipse** (*Plant Patent 172*). An international sensation. The long stream-lined bud, enhanced by ornamental sepals, is of rich gold without shading. Petals are large and tough, but not numerous, averaging 20 to 25, with more in the Autumn. One of the most popular of the new patented H. T. varieties. Gold medal American Rose Society. Ea. \$1.25.

**Gloaming** (*Plant Patent 137*). A cut-flower variety. Its large buds are carried on long rigid stems amply clothed with handsome foliage. The plant is vigorous and branching, fairly tall growing. Bloom is of unusual coloring—fawn orange in the bud and the large full blooms are of a peculiar pink overlaid with salmon. Ea. \$1.00.

**Signora** (*Plant Patent 201*). A unique variety of very lovely, salmon pink. An easy grower and prolific bloomer. Ea. \$1.25.



Golden Dawn

Rose bushes, like all other plants, are susceptible to many diseases. Parasitic organisms may attack any portion of the plants—roots, stems, leaves, or blossoms. The presence of disease is revealed by the discoloration of the foliage, the failure of the buds to develop normally, or the death of portions of the stems. Therefore, persons who desire to grow Roses, either for their beauty in the garden or for their commercial value, should have some knowledge of the causes of such diseases and the methods by which they may be prevented or controlled.

### MULCHING TOBACCO

Ground tobacco stems for mulching Roses and other Perennials. 100 lbs. \$3.50.



Climbing Rose

### STANDARD VARIETIES OF THE BETTER KINDS

All No. 1 Grade. 59c. ea., \$6.50 doz.

**Condesa de Sastago.** Brilliantly colored, fiery-copper inside, golden yellow on outside. Extremely hardy.

**Dame Edith Helen.** Very large flower, raspberry pink.

**E. G. Hill.** One of the most valuable. A dazzling scarlet shading to deeper pure red as it develops. Free bloomer and disease-resistant.

**Golden Dawn.** Deliciously fragrant, lemon-yellow flowers of excellent form. One of the best all-around yellow garden Roses.

**Frau Karl Druschki.** Very vigorous growth, with gigantic white buds and blooms.

**Grenoble.** H. T. If the name was shortened to "Noble" it would fully describe this Rose. Scarlet-red without shading. Tall and strong plants.

**Joanna Hill.** Large, pointed buds. Full, semi-double, lemon-yellow flowers. Stems particularly strong for cutting.

**Kaiserin Auguste Viktoria.** The standard, double, pure white bedding rose.

**Margaret McGredy.** This color is difficult to describe—red, rose, and flame on the upper side of the petals, the under surface suffused with gold.

**McGredy's Scarlet.** This is really a fine, well-formed, and truly colored "red" Rose.

**Miss Rowena Thom.** Brilliant satiny pink, center shaded of old-gold to orange-flame.

**Mrs. Henry Morse.** An interesting two-toned pink—outside of petals deep rose-pink and inside a soft flesh-cream.

**President Herbert Hoover.** A splendid combination of cerise-pink, flame, scarlet and yellow. Fragrant and free flowering.

**Queenslands Beauty.** An Australian sport of the well-known Golden Dawn with the same strong immense foliage. Blooms large coppery-pink.

**Red Radiance.** Color deep red. The enormous globular flowers are borne on heavy canes.

**Talisman.** Brilliant red and gold buds, opening to blooms of scarlet-orange. Tall and vigorous.

### SELECTED ROSE PLANTS GRAFTED AND BUDDED STOCK

Should you require for replanting some of the newer varieties of roses, we can offer these from the best growers at market price in varieties that are available this year:

**Queen Mary** **Signet**  
**Peerless** **Lestra Hubbard**  
**Happy Days**, etc.

Write us for your requirements and let us quote you.

### CLIMBING ROSES

**Silver Moon.** Semi-double, pure white flowers with bright yellow stamens; very profuse bloomer.

**Paul's Scarlet Climber.** It is a vivid scarlet, shaded with bright crimson.

**Dr. W. Van Fleet.** The long-pointed buds are of a rich flesh-pink on long stems; vigorous grower.



### All Plant Life Must Have FOOD

Like human beings, plants require a balanced diet for normal, healthy growth.

Vigoro, the complete scientifically prepared plant food, contains all the nourishment necessary to produce thick, velvety - green lawns; large, richly colored flowers; early, delicious vegetables; and healthy, full-foliaged trees.

Vigoro is clean, odorless, and easy to use. It's economical, too! Full directions in every bag.

**ROSES**  
**Do Best**  
**When**  
**Fed with**  
**VIGORO**  
Complete  
Plant Food

# FARM MACHINERY REPAIRS

*We Carry a Complete Line of Repair Parts for*

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Plow Points, Links, Shoes, Sections, Guards, Bolts, Canvas, Reels,  
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**Before Sealing Be Sure**  
**Your Name and Address are written**  
**plainly on the other side of this blank.**

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Quality Farm Garden and  
Flower Seeds  
Very Superior Lawn Seeds  
Insecticides  
Spray Pumps  
Garden Tools and  
Cultivators  
Fertilizers, for Garden  
and Lawn  
Baby Chicks  
Brooders and Hovers  
Poultry Supplies  
Pets and Supplies  
Canaries and Cages  
We are always glad to  
quote Prices.

**39 East Third Street, WILLIAMSPORT, PA.**

Date.....194.....

Forward by ☐ Parcel Post ☐ Express ☐ Freight  
(Mark an X in Proper Square)

To (Name).....

Street Address  
or R. D. ....

Post Office.....

County.....State.....

Express or Freight Office.....

**Filled by**

Date Filled

Shipped by

**Ck., M. O., E. O., Cash, Stamps**

**Please do not write in above space**

Remittance may be sent by check, Draft P. O., Order, Express Money Order or Registered Letter. Amounts under \$1.00 may be sent in Postage Stamps. It is not safe to send Silver.

Amount Enclosed

\$.....

## Do You Grow For Market?

**TERMS:—Cash with Order.**

[illegible]

**Have you allowed for necessary postage and bags in your remittance?**

Yours truly,

**VERY IMPORTANT!** Please be careful to write your full address plainly, and always sign your name the same way. Do not write at one time as Mrs. William Brown, and at another Mrs. Mary Brown. We can but guess that these two names belong to one person

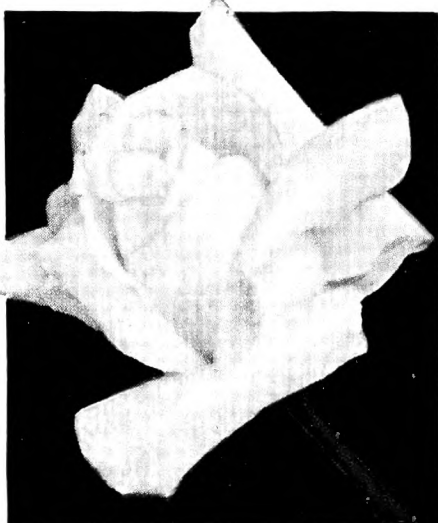
 THIS FLAP IS GUMMED, READY TO SEAL.

**NO ENVELOPE NECESSARY**

FOLD, SEAL AND STAMP



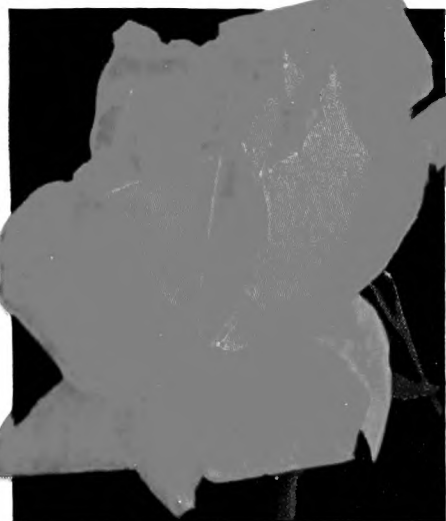
Dame Edith Helen



Frau Karl Druschki



Grenoble



Condesa de Sastago



Joanna Hill



Miss Rowena Thom



Golden Dawn

● **SEE PAGE 51** ●  
*for descriptions and prices on these*  
**CHOICE ROSES**



Red Radiance



E. G. Hill



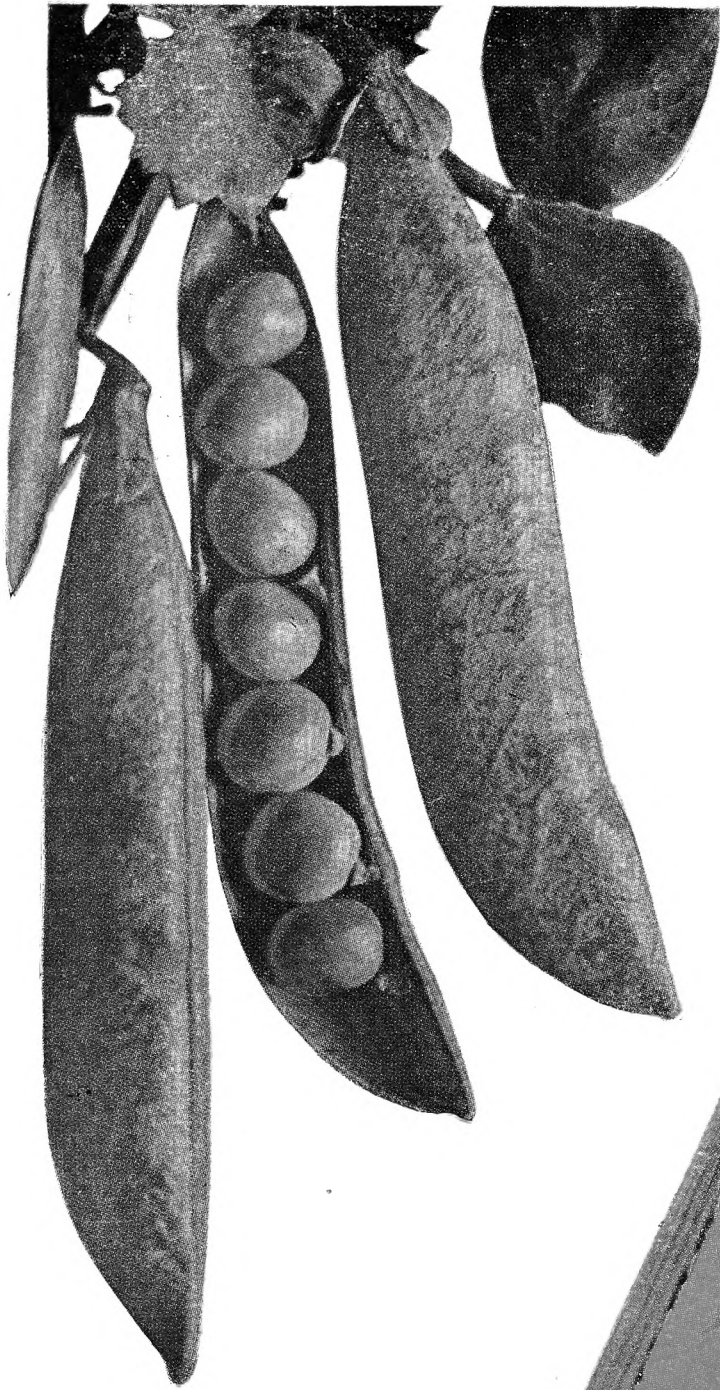
Mrs. Henry Morse



McGredy's Scarlet



# Three Recommended Vegetables



## PEAS

### Blue Bantam

Early dwarf wrinkled Pea. Averages 15 in. high, bears enormous crops, pods deep bluish green, pods  $4\frac{1}{2}$  in. long, bear 8 to 10 peas.

See page 29.



## CORN

### Golden Cross Bantam

Ears 10 to 14 rowed,  $7\frac{1}{2}$  to 8 in. long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. Excellent for market gardeners.

See page 22.



## BEANS

### Pencil Pod Black Seed Wax

Pods are long, straight, round like a pencil; fleshy, of a bright yellow color, tender, brittle and absolutely stringless; very productive.

See page 18.

**CHAAPEL'S SEED STORE**  
**WILLIAMSPORT, PA.**